



HIGH PRECISION

TOOL-A-THON®



Come Visit Us At Our Booth 134360!



IMTS2024

International Manufacturing Technology Show
Sept. 9th - 14th | McCormick Place | Chicago, IL

Volume 24.2 Valid May 1st - Aug. 31st

www.fowlerprecision.com

Fowler Trimos THV Horizontal Calibration Packages



Specifications:

| | |
|---------------------------------|--------------------------------|
| Overall Application Range | Using standard probe |
| External measurement | 0 4" /0 100mm |
| Internal measurement | 0 4 4" /10 100mm |
| Scale Range (travel) | Absolute display up to 2"/50mm |
| Max Measuring Band Error | 0 000016"/0 4μm reference |
| Temperature 20°C | |
| Resolution on Heidenhain ND 287 | 0 00001" 0 000001" |
| Repeatability | 0 000005" ±2s (0 1μm) |
| Adjustable Measuring Force | 0 to 12N (0 40 oz) |

THV Package 1 includes...

For checking pins, plugs and plain rings up to 4"

| Includes | Description |
|--------------|--|
| 54-198-558-0 | HV with floating table |
| 54-198-100-0 | Block Support or H-Plate |
| 54-198-101-0 | H - Plate, provides clearance or plugs |
| 54-198-261-0 | Reverse Attachment American style |

*THV Readout Required

Order No. 54-198-777-P1

Special Package Price \$26,054.⁰⁰

List Price \$30,652.31

THV Package 2 includes...

For checking thread plugs and plain rings up to 4"

| Includes | Description |
|--------------|--|
| 54-198-508-0 | HV with Standard table |
| 54-198-100-0 | Block Support or H-Plate |
| 54-198-101-0 | H - Plate, provides clearance or plugs |
| 54-197-007-0 | Thread Wire Set |

*THV Readout Required

Order No. 54-198-777-P2

Special Package Price \$21,652.⁰⁰

List Price \$25,473.64

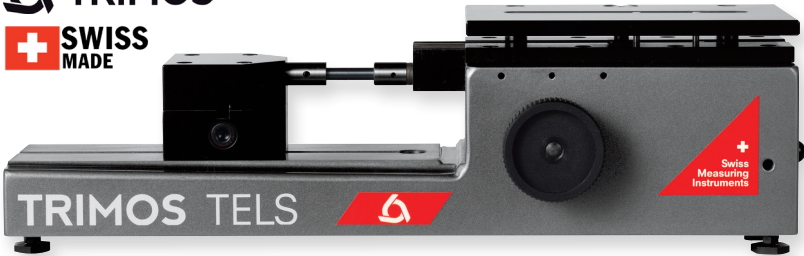
THV Readouts - sold separately

| Order No. | Description | List Price | Sale Price |
|--------------|---|------------|-------------------|
| 54-198-400-0 | USB Signal Converter w/ W N DH Software (Laptop required) | \$4,597 70 | \$4,460.00 |
| 54-198-111-0 | HV Digital Display | \$3,808 53 | \$3,460.00 |

Fowler Trimos Mini Horizontal Calibration Package

This economical package provides you to easily calibrate internal and external setting standards as well as measure parts up to 4" OD and as small as 0.24" ID.

The Fowler Trimos Mini Horizontal Specification includes the Trimos Mini Horizontal and the Sylvac Nano Indicator with Bluetooth. Includes everything to get started! Add the optional accessories available, contact our technical department 1-800-788-2353.



Mini-Horizontal Features:

- Internal range 0.24" - 4" / 6 - 100mm
- External range 0 - 4" / 0 - 100mm
- Resolution 0.0001" / 0.001mm
- Accuracy 0.0008" / 0.002mm
- Monoblock construction with probe guide track
- Adjustable end stop with anvil location
- Adjustable measuring pressure
- Adjustable measuring table



Mark VI NANO Electronic Indicator Features:

- Range 1"/25mm
- Resolution 0.0001" / 0.001mm
- Accuracy 0.0008" / 0.002mm
- Repeatability 0.0002" / 0.0005mm
- Lifetime warranty
- Large display
- Bluetooth
- P54 protected against fluid and dust



Order No. 53-190-012-TP

Special Package Price \$9,095.00

List Price \$9,995.00

Prices & Specifications are subject to change without notice

Fulcrum Revolutionary Manual CMM



Features

- Small footprint allowing measurements right next to your machine
- Intuitive software allows quick and easy measurement
- Minimal setup
- Programmable magnetic soft buttons allow you to quickly change between software features without using a mouse
- Magnetic fixture templates allow you to quickly fix your part
- Volumetric accuracy of $0.0002''/0.005\text{mm}$
- Uses a single USB cable to connect and requires no air

ABERLINK Innovative Metrology

Fowler FUSION Metrology Software

Order No. 54-960-400-0

NEW Star Styli Probe Kit optional

The Fulcrum can be supplied with our optional star styli kit. The star styli ensures excellent metrology performance and accessibility to side face features measured in the X Z or Y Z projection planes.



Order No. 54-960-403-0

Kit Includes:

3mm Star Stylus



Calibration Artifact



6mm Star Stylus

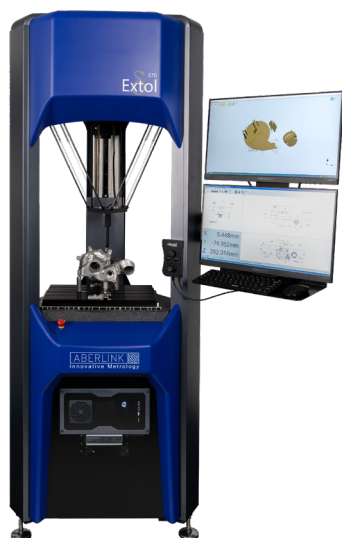
Extol CMM (Mark 1)

Features:

- Shop floor hardened for use at the machine center
- Easy to use FUSION Software
- Robust enough to use around the clock
- 5 temp sensors allow for use in uncontrolled environments

ABERLINK Innovative Metrology

Fowler FUSION Metrology Software



| Order No. | Description |
|-------------|------------------------|
| MK1-EXT-370 | (XY) 370mm x (Z) 270mm |
| MK1-EXT-520 | (XY) 520mm x (Z) 300mm |

zCAT Portable CMM

Features:

- Compact for use at the machine center
- Easy to use FUS ON Software
- Completely portable only 30 lbs
- High accuracy
- Ethernet communication (Bluetooth optional)

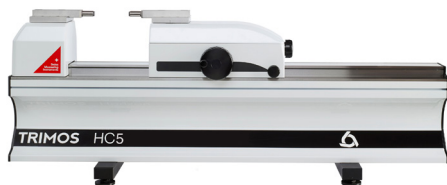


Order No. 54-950-001-0

Horizontal Setting and Calibration

Setting of measuring equipment with variable dimensions.

HC5



Features:

- Designed for the calibration of fixed and variable measuring equipment
- Available in sizes up to 120"
- Adjustable measuring force

Order No. 54-197-370-0



HS6

Features:

- For setting equipment with variable dimensions quickly and accurately
- Available in sizes up to 120"
- Large selection of accessories to handle any job

Order No. 54-196-900-5



NEW Rapid Measuring Systems

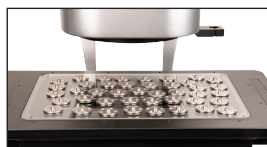
5000

 Up to 5000
dimensions

1024

 Up to 1024
workpieces

2

 Finish
measurements
in 2 seconds

*Measures multiple parts
simultaneously*

One touch measuring
Order No. 54-830-830-0
Features:

- Simultaneous measuring up to 100 parts
- Simple place and press measurement finish in 3 seconds
- No more operator errors
- Powerful yet easy to use measuring software
- Up to 12" x 8" field of view
- High resolution 0.00004"/0.0001mm

| Model No. | Measuring Range |
|--------------|-----------------|
| 54-830-310-0 | 100mm x 200mm |
| 54-830-320-0 | 200mm x 200mm |
| 54-830-830-0 | 300mm x 200mm |

Call for more information, 1-800-788-2353!

Venture 3030 XT Multi-Sensor Vision System

XT

Features:

- 11 8"/300mm x 11 8"/300mm x 7 8"/200mm XYZ stage
- Teach and repeat programming with Fowler FUS ON
- 6.5 1 zoom optics (with optional CNC control)
- High resolution 0.5µm scales for increased accuracy

baty  MADE IN ENGLAND

Fowler FUSION
Metrology Software

Order No. 54-242-000-0

The BEST Solution for Shaft Scanning!

Increase productivity while reducing scrap and inspection cycle times by a factor of 10.

sylvac

**SWISS
MADE**



SCAN S25T

Fast, Accurate, Reliable & Repeatable!

Features:

- Ideal for small cylindrical parts
- Measuring range 1 02"/26mm Diameter 7 87"/200mm Length
- High resolution and high accuracy
- One click rapid measuring
- 30° tilting optics for complete thread measurements

Order No. 54-902-025-5



SCAN F60T

For Larger Parts!

Features:

- Complete 2D part scan in less than 3 seconds
- Measuring range 2 3"/60mm diameter 12"/300mm length
- Reduce inspection time & scrap increase productivity
- High resolution and high accuracy
- One click rapid measuring
- 30° tilting optics for complete thread measurements

Order No. 54-902-406-5

SCAN S145's

Our Largest Machines!

Features:

- Full part measurement in just a few seconds
- Measuring range 5 7"/145mm diameter 50 3"/1280mm length
- Reduce inspection time & scrap increase productivity
- High resolution and high accuracy
- One click rapid measuring
- Optional measuring probe for measuring keyways holes and hole locations

Order No. 54-902-145-5

**NEW
Measuring
Probe**



Systems

Fowler

Fowler Trimos V Series Electronic Height Gages

The Fowler Trimos V series vertical measuring instruments have been developed for the most difficult shop floor environments. Manufactured in Switzerland, they guarantee precise and repeatable measurements with superior ease of use.

Features:

- Electronically adjustable measuring force 0.75/1.5 (N)
- Lithium ion rechargeable batteries last up to 40 hours
- Bluetooth transmitter available

All models Include:

- Charging unit
- Measuring probe with ruby ball Ø4mm
- Probe holder elbow Ø 8mm
- Setting gage
- Test certificate



54-192-340-0



54-199-570-0



54-199-970-0



54-191-440-0



54-199-770-0

Measures ID/OD, centerlines, heights, widths, depths, min/max/delta, slots, grooves and more!

V-Series Electronic Height Gages Comparison Chart

24.2

Height Gages

Fowler®

| | V9 | V8 | V7 | V6 | V5 | V4 | V3 |
|----------------------------|----|----|----|----|----|----|----|
| Accuracy | | | | | | | |
| 1 2 + L(mm)/1000 µm | ✓ | ✓ | | | | | |
| 2 + L(mm)/400 µm | | | ✓ | ✓ | | | |
| 2 5 + L(mm)/300 µm | | | | | ✓ | | |
| 4 5 6 µm | | | | | | ✓ | |
| 7 8 µm | | | | | | | ✓ |
| Range | | | | | | | |
| 400/700mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1100mm | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Smart Reverse for Ø | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Air Cushion | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Wireless Option | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Manual/Motorized | ✓ | | ✓ | ✓ | ✓ | | |
| Manual ONLY | | ✓ | | | | ✓ | ✓ |
| Fine Adjustment | | ✓ | | | | | |
| Color Display | ✓ | | ✓ | | | | |
| 2D Measuring | ✓ | | ✓ | | | | |

Certify Any Height Gage

Below For Only \$199.00

Valid only for Tool A Thon 24 2

| Order No. | Range | Range with Probe Inverted | List Price | Sale Price |
|----------------------------|--|---------------------------|-------------|--------------------|
| V3 | | | | |
| 54-192-340-0 | 16"/407mm | 20"/508mm | \$5,419 97 | \$5,149.00 |
| 54-192-370-0 | 28"/711mm | 31 9"/812mm | \$5,511 60 | \$5,237.00 |
| V4 | | | | |
| 54-191-440-0 | 16"/407mm | 28 3"/719mm | \$6,584 83 | \$6,256.00 |
| 54-191-470-0 | 28"/711mm | 40 2"/1023mm | \$8,305 31 | \$7,891.00 |
| V5 | | | | |
| 54-199-540-0 | 16"/407mm | 28 3"/719mm | \$7,257 34 | \$6,895.00 |
| 54-199-570-0 | 28"/711mm | 40 2"/1023mm | \$8,600 23 | \$8,171.00 |
| 54-199-590-0 | 43 7"/1110mm | 56"/1422mm | \$13,583 85 | \$12,905.00 |
| V6 | | | | |
| 54-199-640-0 | 16"/407mm | 28 3"/719mm | \$9,014 34 | \$8,564.00 |
| 54-199-670-0 | 28"/711mm | 40 2"/1023mm | \$10,458 85 | \$9,936.00 |
| 54-199-690-0 | 43 7"/1110mm | 56"/1422mm | \$15,163 41 | \$14,406.00 |
| V7 | | | | |
| 54-199-740-0 | 16"/407mm | 28"/719mm | \$11,963 78 | \$11,366.00 |
| 54-199-770-0 | 28"/711mm | 40"/1023mm | \$12,781 27 | \$12,143.00 |
| 54-199-790-0 | 44"/1100mm | 56"/1422mm | \$18,311 10 | \$17,396.00 |
| V8 - ine Adjustment | | | | |
| 54-199-840-0 | 16"/407mm | 28"/724mm | \$13,157 00 | \$12,500.00 |
| 54-199-870-0 | 28"/710mm | 40"/1028mm | \$14,508 73 | \$13,784.00 |
| 54-199-890-0 | 43"/1109mm | 56"/1427mm | \$21,389 93 | \$20,321.00 |
| V9 | | | | |
| 54-199-940-0 | 16"/407mm | 28"/724mm | \$13,871 20 | \$13,178.00 |
| 54-199-970-0 | 28"/710mm | 40"/1028mm | \$14,254 65 | \$13,542.00 |
| 54-199-990-0 | 43"/1109mm | 56"/1427mm | \$21,462 33 | \$20,390.00 |
| Probe Sets | | | | |
| 54-199-105-0 | 4mm Probe Set, 21 piece | | \$1,923 23 | \$1,828.00 |
| 54-199-106-0 | 8mm Probe Set, 16 piece | | \$1,556 00 | \$1,479.00 |
| 54-199-107-0 | 8mm Basic Probe Set, 7 piece | | \$509 53 | \$485.00 |
| Accessories | | | | |
| 45-300-002-0 | SO Certification | | \$379 00 | \$199.00 |
| 54-199-400-0 | 12"/300mm Holder - or 8mm probes | | \$1,167 27 | \$1,109.00 |
| 54-199-022-BT | Bluetooth transmitter (Not available or V3 models) | | \$675 78 | \$642.00 |
| 54-777-120-0 | Vmux so tware - or connecting multiple units to one PC | | \$538 54 | \$485.00 |

Prices & Specifications are subject to change without notice

Fowler Sylvac Hi_Cal V2 Electronic Height Gages

For your finer, more delicate parts.

FREE 1mm Ball Probe
with 6"/150mm and 12"/300mm Hi_Cal Purchase!

sylvac



**SWISS
MADE**



54-931-150-BT



54-931-300-BT



54-931-450-BT

Features:

- Bluetooth for quick, easy recorded measurements
- Extra low measuring force from 0.2N
- Measure internal and external diameters, centerlines, heights, widths, depths, and M/N/MAX/T/R capability
- Excellent repeatability thanks to the motorized carriage
- High reliability
- Bluetooth, USB, and RS232 data outputs
- Battery life: 40 hours rechargeable during operation
- Touch sensitive probe speed for easy operation
- Base with small footprint
- Includes protective cover, charging set, ruby ball probe, Ø3mm setting gage, and calibration certificate

Full Probe Set



54-930-215-0

FREE Basic Probe Set

with 54-931-450 BT Hi_Cal Purchase
\$951.03 Value!



54-930-217-0

**ISO Certification available
for \$199.⁰⁰ extra!**

| Order No. | Range | Accuracy | List Price | Sale Price |
|-----------------|---|-------------------|------------|-------------------|
| 54-931-150-BT | 6"/150mm | 0.00013"/0.0034mm | \$6,080.26 | \$5,473.00 |
| 54-931-150-BT-C | 6"/150mm with ISO/A2LA Certification | | | \$5,672.00 |
| 54-931-300-BT | 12"/300mm | 0.00016"/0.0042mm | \$6,636.83 | \$5,974.00 |
| 54-931-300-BT-C | 12"/300mm with ISO/A2LA Certification | | | \$6,173.00 |
| 54-931-450-BT | 17.5"/450mm | 0.00020"/0.005mm | \$7,554.76 | \$6,442.00 |
| 54-931-450-BT-C | 17.5"/450mm with ISO/A2LA Certification | | | \$6,641.00 |
| Accessories | | | | |
| 54-930-215-0 | Full Probe Set | | \$1,771.05 | \$1,594.00 |
| 54-930-217-0 | Basic Probe Set | | \$951.03 | \$856.00 |

NEW V1 & V1+
Electronic Height Gages

Introducing the next generation of Trimos entry-level height gages for the workshop.

Coming Soon,
July 2024

- Features:**
- V1 features a fine adjust hand wheel for scribing (optional scriber)
 - V1+ features bi directional measuring force hand wheel for measuring bores centerlines heights min/max/delta
 - Accuracy 0 0012"/0 03mm
 - Supplied with 0 236"/6mm ball probe
 - Bluetooth/RS232 data output
 - Steel base and extra large display with simplified keypad



| Order No. | Range | Range | Resolution | List Price | Sale Price |
|--------------|-------|-----------|------------------|------------|-------------------|
| 54-180-424-0 | V1 | 24"/611mm | 0 0005"/0 01mm | \$3,299 99 | \$2,999.99 |
| 54-180-524-0 | V1+ | 24"/611mm | 0 0005"/0 01mm | \$4,399 99 | \$3,999.99 |
| | | | 0 00005"/0 001mm | | |



Z-HEIGHT
Electronic Height Gages
With handwheel and fine adjust.

- Features:**
- Base design has a more comfortable grip and is finely ground and lapped for smooth movement on surface plates
 - Fine adjust feature allows precise adjustment to required settings
 - Preset feature allows setting pre determined or reference measurements
 - Indicator holding bar included
 - Resolution 0 0005"/0 01mm
 - Large high contrast LCD display
 - Coarse adjustment hand wheel
 - Carriage locking lever
 - Carbide tipped scriber

54-175-024-0 shown

Calibration certificates available for all sizes.

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|-----------|----------------|------------|-----------------|
| 54-175-012-0 | 12"/300mm | 0 0015"/0 04mm | \$584 91 | \$510.00 |
| 54-175-018-0 | 18"/450mm | 0 002"/0 05mm | \$696 17 | \$627.00 |

Prices & Specifications are subject to change without notice

Fowler Bowers **BLUETOOTH**



XTH3 Bluetooth Holematic Pistol Grips

Features:

- Coolant proof dust proof P67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- Self centering 3 point heads above 0.250"
- Tungsten carbide measuring faces on all 3 point heads from 0.5"/12.5mm and up
- Sizes over 0.500"/12.5mm feature blind bore capability
- Includes UKAS certificates for all pistol grip heads and rings



54-567-100-BT

For special application heads, contact the
Fowler Technical Department 1-800-788-2353



2 and 3 Point
Screw Threads



2 and 3 Point
Grooves



3 Point Spherical



| Order No. | Range | Includes | List Price | Sale Price |
|-------------------------------|--|----------------------------|------------|-------------------|
| Pistol Grip individual Sets | | | | |
| 54-567-720-BT | 0.750" - 1"/20 - 25mm | 1 head, 1 handle, 1 ring | \$2,774.23 | \$2,372.00 |
| 54-567-725-BT | 1" - 1.375"/25 - 35mm | 1 head, 1 handle, 1 ring | \$2,995.57 | \$2,697.00 |
| 54-567-735-BT | 1.375" - 2"/35 - 50mm | 1 head, 1 handle, 1 ring | \$3,075.38 | \$2,768.00 |
| Pistol Grip Complete Sets | | | | |
| 54-567-009-BT | 0.080" - 0.250"/2 - 6mm (2 pt) | 5 heads, 1 handle, 3 rings | \$7,033.38 | \$6,014.00 |
| 54-567-010-BT | 0.250" - 0.375"/6 - 10mm | 2 heads, 1 handle, 1 ring | \$2,757.87 | \$2,358.00 |
| 54-567-020-BT | 0.375" - 0.750"/10 - 20mm | 3 heads, 1 handle, 2 rings | \$3,226.40 | \$3,049.00 |
| 54-567-050-BT | 0.750" - 2"/20 - 50mm | 3 heads, 1 handle, 2 rings | \$4,165.94 | \$3,937.00 |
| 54-567-100-BT | 2" - 4"/50 - 100mm | 3 heads, 1 handle, 2 rings | \$4,636.93 | \$4,174.00 |
| 54-567-105-BT | 4" - 6"/100 - 150mm | 2 heads, 1 handle, 1 ring | \$4,165.94 | \$3,937.00 |
| 54-567-110-BT | 6" - 8"/150 - 200mm | 2 heads, 1 handle, 1 ring | \$5,498.92 | \$4,702.00 |
| 54-567-200-BT | 4" - 8"/100 - 200mm | 4 heads, 1 handle, 2 rings | \$8,703.75 | \$8,226.00 |
| 54-567-210-BT | 0.750" - 4"/20 - 100mm | 6 heads, 1 handle, 4 rings | \$5,091.00 | \$4,836.00 |
| 54-567-620-BT | 0.250" - 0.750"/6 - 20mm | 5 heads, 1 handle, 3 rings | \$3,722.00 | \$3,434.00 |
| Connectivity Cables/Accessory | | | | |
| 54-115-526-0 | Proximity cable with USB connection | | \$223.37 | \$202.00 |
| 54-115-527-0 | Proximity cable with serial connection | | \$216.29 | \$195.00 |
| 54-115-246-BT | USB bluetooth receiver | | \$49.45 | \$43.00 |

Bore Gaging Systems



XTD3 Bluetooth Electronic Holemikes

**BIGGEST
SALE
EVER**

Features:

- Coolant proof dust proof IP67
- Resolution 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- Self centering 3 point heads above 0.250"
- Tungsten carbide measuring faces on all 3 point heads from 0.5"/12.5mm and up
- Sizes over 0.500"/12.5mm feature blind bore capability
- Includes UKAS certificates for all pistol grip heads and rings



BOWERS GROUP



| Order No. | Range | Includes | List Price | Sale Price |
|---|--|----------------------------|------------|-------------------|
| Holemike individual Sets (traditional style) | | | | |
| 2-Point Heads | | | | |
| 54-367-003-BT | 0.080" - 0.100"/2 - 2.5mm | 1 head, 1 handle, 1 ring | \$2,643.30 | \$2,403.00 |
| 54-367-004-BT | 0.100" - 0.120"/2.5 - 3mm | 1 head, 1 handle, 1 ring | \$2,643.30 | \$2,403.00 |
| 54-367-005-BT | 0.120" - 0.160"/3 - 4mm | 1 head, 1 handle, 1 ring | \$2,872.63 | \$2,403.00 |
| 54-367-006-BT | 0.160" - 0.200"/4 - 5mm | 1 head, 1 handle, 1 ring | \$2,643.30 | \$2,403.00 |
| 54-367-007-BT | 0.200" - 0.250"/5 - 6mm | 1 head, 1 handle, 1 ring | \$2,872.63 | \$2,403.00 |
| 3-Point Heads | | | | |
| 54-367-008-BT | 0.250" - 0.312"/6 - 8mm | 1 head, 1 handle, 1 ring | \$1,437.70 | \$1,307.00 |
| 54-367-011-BT | 0.312" - 0.375"/8 - 10mm | 1 head, 1 handle, 1 ring | \$1,669.80 | \$1,518.00 |
| 54-367-012-BT | 0.375" - 0.500"/10 - 12.5mm | 1 head, 1 handle, 1 ring | \$1,685.20 | \$1,532.00 |
| 54-367-014-BT | 0.500" - 0.625"/12.5 - 16mm | 1 head, 1 handle, 1 ring | \$1,835.90 | \$1,669.00 |
| 54-367-016-BT | 0.625" - 0.750"/16 - 20mm | 1 head, 1 handle, 1 ring | \$1,835.90 | \$1,669.00 |
| 54-367-018-BT | 0.750" - 1"/20 - 25mm | 1 head, 1 handle, 1 ring | \$1,879.90 | \$1,709.00 |
| 54-367-021-BT | 1" - 1.375"/25 - 35mm | 1 head, 1 handle, 1 ring | \$1,879.90 | \$1,709.00 |
| 54-367-022-BT | 1.375" - 2"/35 - 50mm | 1 head, 1 handle, 1 ring | \$1,923.90 | \$1,749.00 |
| 54-367-024-BT | 2" - 2.625"/50 - 65mm | 1 head, 1 handle, 1 ring | \$2,106.50 | \$1,915.00 |
| 54-367-026-BT | 2.625" - 3.250"/65 - 80mm | 1 head, 1 handle, 1 ring | \$2,106.50 | \$1,915.00 |
| 54-367-028-BT | 3.250" - 4"/80 - 100mm | 1 head, 1 handle, 1 ring | \$2,165.90 | \$1,969.00 |
| 54-367-030-BT | 4" - 5"/100 - 125mm | 1 head, 1 handle, 1 ring | \$2,901.80 | \$2,638.00 |
| 54-367-032-BT | 5" - 6"/125 - 150mm | 1 head, 1 handle, 1 ring | \$2,933.70 | \$2,667.00 |
| 54-367-034-BT | 6" - 7"/150 - 175mm | 1 head, 1 handle, 1 ring | \$3,082.20 | \$2,802.00 |
| 54-367-036-BT | 7" - 8"/175 - 200mm | 1 head, 1 handle, 1 ring | \$3,219.70 | \$2,927.00 |
| 54-367-037-BT | 8" - 9"/200 - 225mm | 1 head, 1 handle, 1 ring | \$3,429.80 | \$3,118.00 |
| 54-367-038-BT | 9" - 10"/225 - 250mm | 1 head, 1 handle, 1 ring | \$5,527.60 | \$3,185.00 |
| 54-367-039-BT | 10" - 11"/250 - 275mm | 1 head, 1 handle, 1 ring | \$5,723.01 | \$3,296.00 |
| 54-367-040-BT | 11" - 12"/275 - 300mm | 1 head, 1 handle, 1 ring | \$3,683.90 | \$3,349.00 |
| Holemike Complete Sets (traditional style) | | | | |
| 54-367-000-BT | 0.080" - 0.250"/2 - 6mm (2 pt) | 5 heads, 1 handle, 3 rings | \$4,545.20 | \$4,132.00 |
| 54-367-010-BT | 0.250" - 0.375"/6- 10mm | 2 heads, 1 handle, 1 ring | \$2,670.76 | \$2,430.00 |
| 54-367-020-BT | 0.375" - 0.750"/10 - 20mm | 3 heads, 1 handle, 2 rings | \$3,187.03 | \$2,899.00 |
| 54-367-050-BT | 0.750" - 2"/20 - 50mm | 3 heads, 1 handle, 2 rings | \$4,326.12 | \$3,935.00 |
| 54-367-100-BT | 2" - 4"/50 - 100mm | 3 heads, 1 handle, 2 rings | \$4,791.89 | \$4,360.00 |
| 54-367-105-BT | 4" - 6"/100 - 150mm | 2 heads, 1 handle, 1 ring | \$3,818.10 | \$3,471.00 |
| 54-367-110-BT | 6" - 8"/150 - 200mm | 2 heads, 1 handle, 1 ring | \$5,034.70 | \$4,577.00 |
| 54-367-200-BT | 4" - 8"/100 - 200mm | 4 heads, 1 handle, 2 rings | \$8,332.50 | \$7,575.00 |
| Connectivity Cables/Accessory | | | | |
| 54-115-526-0 | Proximity cable with USB connection | | \$223.37 | \$202.00 |
| 54-115-527-0 | Proximity cable with serial connection | | \$216.29 | \$195.00 |
| 54-115-246-BT | USB bluetooth receiver | | \$49.45 | \$43.00 |

Prices & Specifications are subject to change without notice

XT-Series Holemikes

Vernier Bore Micrometers



52-255-316-0



52-255-312-0



Features:

- 3 pt contact with tungsten carbide measuring anvils above 0.5"
- Blind bore measuring heads featured above 0.5"
- Ratchet stop for consistent measuring
- Extensions available for deep measuring
- Includes UKAS certificates for all Holemikes and setting rings

| Order No. | Range | Grads. | Meas. Accuracy | Ring Depth | Ring Included | List Price | Sale Price |
|--------------|-----------------|-----------------------------|----------------|------------|---------------|------------|-------------------|
| 52-255-310-0 | 0 250" - 0 312" | 0 00025" | 0 00015" | 2 28" | 0 312" | \$829 07 | \$622.00 |
| 52-255-311-0 | 0 312" - 0 375" | 0 00025" | 0 00015" | 2 28" | 0 312" | \$767 67 | \$576.00 |
| 52-255-312-0 | 0 375" - 0 500" | 0 00025" | 0 00015" | 2 28" | 0 5" | \$767 67 | \$576.00 |
| 52-255-313-0 | 0 500" - 0 625" | 0 00025" | 0 00015" | 2 44" | 0 5" | \$767 67 | \$576.00 |
| 52-255-314-0 | 0 625" - 0 750" | 0 00025" | 0 00015" | 2 44" | 0 75" | \$787 25 | \$591.00 |
| 52-255-315-0 | 0 750" - 1" | 0 00025" | 0 00015" | 2 60" | 0 75" | \$864 56 | \$649.00 |
| 52-255-316-0 | 1" - 1 375" | 0 00025" | 0 00015" | 2 60" | 1 375" | \$1,231 87 | \$924.00 |
| 52-255-317-0 | 1 375" - 2" | 0 00025" | 0 00015" | 3 15" | 1 375" | \$1,261 24 | \$946.00 |
| 52-255-318-0 | 2" - 2 625" | 0 00025" | 0 0002" | 3 15" | 2 625" | \$1,504 52 | \$1,129.00 |
| 52-255-319-0 | 2 625" - 3 250" | 0 00025" | 0 0002" | 3 15" | 2 625" | \$1,517 98 | \$1,139.00 |
| 52-255-320-0 | 3 250" - 4" | 0 00025" | 0 0002" | 3 94" | 3 25" | \$1,893 75 | \$1,421.00 |
| Sets | | | | | | | |
| 52-255-565-0 | 0 250" - 0 375" | 2 heads, 2 handles, 1 ring | | | | \$1,686 00 | \$1,265.00 |
| 52-255-665-0 | 0 375" - 0 750" | 3 heads, 3 handles, 2 rings | | | | \$2,096 32 | \$1,573.00 |
| 52-255-775-0 | 0 750" - 2" | 3 heads, 3 handles, 2 rings | | | | \$3,293 82 | \$2,471.00 |
| 52-255-885-0 | 2" - 4" | 3 heads, 3 handles, 2 rings | | | | \$4,465 29 | \$3,349.00 |

MicroGage

Pocket sized 2-point bore gaging system.



Replaces 100's of pin gages!

Features:

- System range 0 040" 0 250"/1 6mm
- Switchable resolution 0 0005" 0 00005"/0 01 0 001 0 0005mm
- Repeatability 0 00005"/0 001mm
- Sets include setting rings with UKAS certificates
- Depth stops available call our technical department 1 800 788 2353



| Order No. | Description | List Price | Sale Price |
|---------------------|--|------------|-------------------|
| 54-551-010-0 | 0 037" - 0 096"/0 95 - 2 45mm | \$3,950 93 | \$3,556.00 |
| 54-551-011-0 | 0 060" - 0 167"/1 5 - 4 25mm | \$3,866 75 | \$3,481.00 |
| 54-551-012-0 | 0 089" - 0 250"/2 25 - 6 35mm | \$4,162 44 | \$3,747.00 |
| Connectivity Cables | | | |
| 54-115-526-0 | Proximity cable with USB connection | \$223 37 | \$202.00 |
| 54-115-527-0 | Proximity cable with serial connection | \$216 29 | \$195.00 |

Ultima Bore Gaging Systems

World's most accurate system!



Features:

- Accuracies of 0.00004" up to 1.97"
- Ceramic anvils with blind bore capabilities above 0.472"
- Uses compact multi function Sylvac display



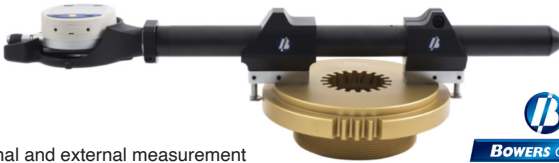
BOWERS GROUP



| Order No. | Description | Set Includes | List Price | Sale Price |
|------------------|--------------------------------------|--------------------------------|-------------|--------------------|
| 54-565-006-1 | 0.078" - 0.236"/2 - 6mm | includes handle, rings & heads | \$7,642.60 | \$6,497.00 |
| 54-565-010-1 | 0.236" - 0.393"/6 - 10mm | includes handle, rings & heads | \$4,150.90 | \$3,529.00 |
| 54-565-020-1 | 0.393" - 0.787"/10 - 20mm | includes handle, rings & heads | \$6,175.54 | \$5,250.00 |
| 54-565-070-1 | 0.236" - 0.787"/6 - 20mm | includes handle, rings & heads | \$9,658.72 | \$7,727.00 |
| 54-565-080-1 | 0.787" - 1.97"/20 - 50mm | includes handle, rings & heads | \$10,589.24 | \$8,472.00 |
| 54-565-090-1 | 1.97" - 3.94"/50 - 100mm | includes handle, rings & heads | \$11,758.98 | \$9,408.00 |
| 54-565-100-1 | 0.787" - 3.94"/20 - 100mm | includes handle, rings & heads | \$18,007.01 | \$16,207.00 |
| Digital Displays | | | | |
| 54-618-106-2 | Sylvac D62S Digital Display | | \$1,535.33 | \$1,382.00 |
| 54-618-106-3 | Sylvac D62S Advanced Digital Display | | \$1,982.16 | \$1,884.00 |

Deluxe Universal Gage

Internal & External Measurements up to 118" (with optional extensions)



Features:

- Used for internal and external measurement
- D range 1.18" - 10" OD range 0.84"
- Large range of accessories with constant measuring pressure and digital readout
- Stackable extensions for increasing range available
- Anvil travel of 0.78"

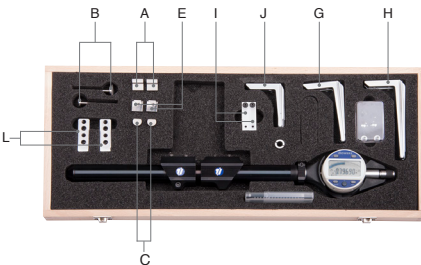


BOWERS GROUP



Available on special order

Pair of ball inserts for gear/spline measurements Thread inserts for internal/external threads Special anvils such as cones balls pins etc Contact our Technical Department for price quotes



Accessories included

| | | |
|----|--------------|---|
| A. | 54-265-045-0 | Pair of Flat Shoulder Anvils |
| B. | 54-265-048-0 | Pair of Internal Disc Anvils (large) |
| C. | 54-265-049-0 | Pair of Internal/External Disc Anvils (small) |
| D. | 54-265-055-0 | Pair of Clamping adaptors |
| E. | 54-265-047-0 | Pair of Cylindrical Shoulder Anvils |
| F. | 54-265-015-0 | Pair of Spherical Tip Contact Points |
| G. | 54-265-030-0 | Pair of Measuring Arms 3"(75mm) long |
| H. | 54-265-040-0 | Pair of Measuring Arms 4"(100mm) long |
| I. | 54-265-043-0 | Pair of Depth Stops |
| J. | 54-265-020-0 | Pair of Measuring Arms 2"(50mm) long |
| K. | 54-265-010-0 | Pair of Flat Contact Points |
| L. | 54-265-041-0 | Pair of Mounting attachments |

Order No. 54-265-777-0

Sale \$6,199.00

List Price \$6,950.00

Prices & Specifications are subject to change without notice

XTENDER Electronic Bore Gage Set

with Carbide Anvils

Industry's two most popular bore gage ranges combined in one easy-to-use electronic set!

Preset size of master for absolute reading and use minimum hold feature to lock on the bore size as the gage is rocked in the part to be measured

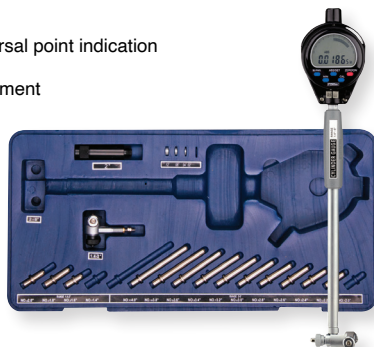


Bore Gage features:

- Range 1 4" 6"/35mm 150mm
- Carbide anvils
- Self centering

Indicator features:

- Bar graph for reversal point indication
- Preset with recall
- ABS/ NC measurement
- Min/Max/T R



Use with Bore Gage Setting Master Kits, page 17.

| Order No. | Range | Resolution | List Price | Sale Price |
|--------------|---------------------|------------------|------------|-----------------|
| 54-646-401-0 | 1 4 - 6"/35 - 150mm | 0 00005"/0 001mm | \$420 79 | \$358.00 |
| Extensions | | | | |
| 52-646-450-0 | 20" depth extension | | \$108 40 | \$98.00 |
| 52-646-475-0 | 40" depth extension | | \$121 82 | \$110.00 |

Dial Cylinder Bore Gages

2-point bore measuring



52-646-300-0

Features:

- Carbide Anvils
- Easy to read
- Great value
- Graduation 0 0005" 0 0001" or 0 01mm
- Insulated grip
- 9 5" depth above 1 5"
- Chrome plated handle

XTENDER



52-646-400-0

Use with Bore Gage Setting Master Kits, page 17.

| Order No. | Range | Graduation | List Price | Sale Price |
|--------------|---------------------|--------------------------------|------------|-----------------|
| 52-646-100-0 | 0 7" - 1 5" | 0 0005" | \$169 38 | \$128.00 |
| 52-646-300-0 | 2" - 6" | 0 0005" | \$160 27 | \$137.00 |
| 52-646-400-0 | 1 4" - 6" | 0 0005" | \$212 85 | \$160.00 |
| 52-646-500-0 | 1 4" - 6" | 0 0001" | \$276 34 | \$235.00 |
| 52-646-220-0 | 35 - 60mm | 0 01mm | \$277 40 | \$236.00 |
| Extensions | | | | |
| 52-646-450-0 | 20" depth extension | *Not for use with 52-646-100-0 | \$108 40 | \$98.00 |
| 52-646-475-0 | 40" depth extension | *Not for use with 52-646-100-0 | \$121 82 | \$110.00 |

Internal & External Electronic Caliper Gages

For grooves and recesses.



54-554-611-0



54-554-711-0

Features:

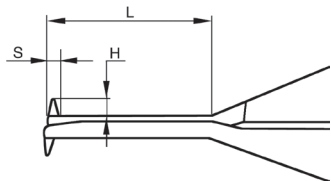
- Accuracy $\pm 0.0008"/\pm 0.02\text{mm}$
- Resolution $0.0002"/0.005\text{mm}$
- Analog scale for reversal point indication
- Large LCD display
- Preset capability
- Absolute and incremental measurements modes
- High impact aircraft aluminum case
- Rugged housing

Dimensions for Internal Calipers

| Metric | Inch | L | S | H | Tip Radius |
|---------|----------|------|-------|-------|------------|
| 5-15mm | 0.2-0.6" | 20mm | 1.0mm | 1.5mm | 0.3mm |
| 5-25mm | 0.2-1.0" | 35mm | 1mm | 1.5mm | 0.3mm |
| 10-30mm | 0.4-1.2" | 55mm | 2mm | 3.5mm | 0.5mm |
| 20-40mm | 0.8-1.6" | 80mm | 3mm | 6.5mm | 0.5mm |
| 30-50mm | 1.2-2.0" | 80mm | 3mm | 8.5mm | 0.5mm |

Dimensions for External Calipers

| Metric | Inch | L | S | H | Tip Radius |
|---------|----------|------|-------|------|------------|
| 0-10mm | 0-0.4" | 40mm | 3mm | 8mm | 0.5mm |
| 0-20mm | 0-0.8" | 80mm | 6.5mm | 25mm | 0.75mm |
| 10-30mm | 0.4-1.2" | 80mm | 6.5mm | 25mm | 0.75mm |
| 20-40mm | 0.8-1.6" | 80mm | 6.5mm | 25mm | 0.75mm |
| 30-50mm | 1.2-2.0" | 80mm | 6.5mm | 25mm | 0.75mm |



| Order No. | Range | List Price | Sale Price |
|------------------------|--------------------------|------------|-----------------|
| Internal Caliper Gages | | | |
| 54-554-611-0 | 0.200" - 0.590"/5 - 15mm | \$207.51 | \$177.00 |
| 54-554-622-0 | 0.200" - 1"/5 - 25mm | \$222.49 | \$190.00 |
| 54-554-623-0 | 0.400" - 1 2"/10 - 30mm | \$232.88 | \$198.00 |
| 54-554-624-0 | 0.790" - 1 6"/20 - 40mm | \$266.52 | \$227.00 |
| 54-554-625-0 | 1 2" - 2 3/30 - 50mm | \$266.52 | \$227.00 |
| External Caliper Gages | | | |
| 54-554-711-0 | 0 - 0.400"/0 - 10mm | \$237.48 | \$202.00 |
| 54-554-722-0 | 0 - 0.790"/0 - 20mm | \$254.63 | \$217.00 |
| 54-554-723-0 | 0.4" - 1 2"/10 - 30mm | \$266.52 | \$227.00 |
| 54-554-724-0 | 0.790" - 1 6"/20 - 40mm | \$266.52 | \$227.00 |
| 54-554-725-0 | 1 2" - 2 3/30 - 50mm | \$232.88 | \$198.00 |

Bore Gage Setting Master Kits - Inch & Metric

Fowler's Bore Gage Setting Master Kit is used for accurately setting any 2 point cylinder bore gage up to 6"/150mm in diameter to an accuracy of 0.0001"/0.003mm



Each Set includes: Setting Device

- Base anvil 3.950" x 1.050"
- Adjustable anvil 2.375" x .375" (two each)
- Internal capacity 6"/150mm
- Centralizer capacity width 2.750"
- Quick release holder for fast adjustment

Economy Gage Block Sets

Inch model:

- 36 piece
- Tolerances to .00005"
- Certificate of Calibration to N ST

Metric model:

- 33 piece
- AS 2 grade
- Certificate of Calibration to N ST

Bore gage shown not included

Includes:

**Bore gage setting master and gage block set!
All in a custom-fitted case!**

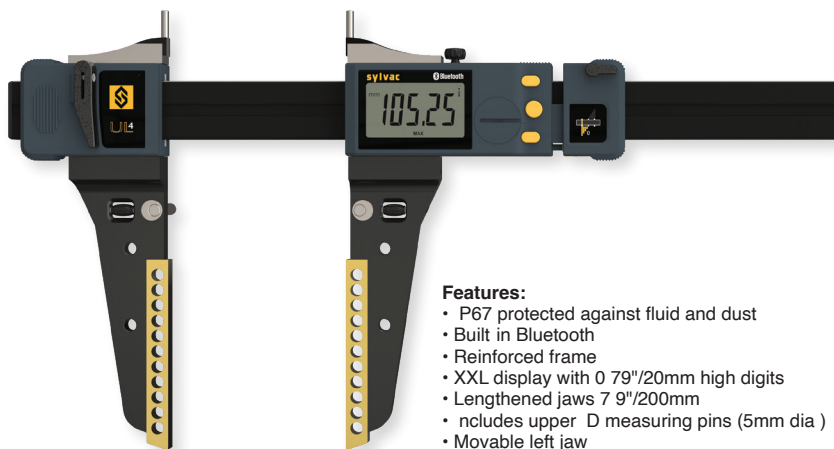
| Order No. | Description | List Price | Sale Price |
|--------------|---|------------|-----------------|
| 53-646-000-1 | Inch Bore Gage Setting Master Kit | \$400.72 | \$341.00 |
| 53-646-010-0 | Metric Bore Gage Setting Master Kit | \$407.18 | \$347.00 |
| 53-646-005-0 | Bore Gage Setting Master Kit - without Gage Blocks | \$247.69 | \$211.00 |

Electronic Calipers Comparison Chart

| | Data Output | Wireless | IP Rating | IN/MM/Frac. | Sizes |
|--------------------------|-------------|----------|-----------|-------------|-----------------------------|
| Ultra-Cal VI Calipers | ✓ | ✓ | P67 | | 6" 8" 12" |
| Ultralight IV Calipers | ✓ | ✓ | P67 | | 15" 24" 40" 60" 80" 100" |
| IP67 Calipers | ✓ | ✓ | P67 | | 6" 12" |
| Digital Calipers | ✓ | ✓ | P40 | | 4" 6" 8" 12" |
| Carbon Fiber Calipers | ✓ | | P65 | | 24" 40" 60" |
| Xtra-Range Calipers | ✓ | | P54 | | 12" 24" |
| Xtra-Value PLUS Calipers | | | P54 | ✓ | 6" 12" |
| Xtra-Value Calipers | | | | | 6" 8" 12" |

Swiss Ultralight IV Electronic Calipers

When you have **HUGE** parts to measure, this is the caliper you need!



Features:

- P67 protected against fluid and dust
- Built in Bluetooth
- Reinforced frame
- XXL display with 0.79"/20mm high digits
- Lengthened jaws 7.9"/200mm
- Includes upper D measuring pins (5mm dia.)
- Movable left jaw
- Stainless steel titanium coated jaws
- Hold feature
- Preset function
- Min/Max functions
- Tolerance mode
- Internal and external measurement indicator



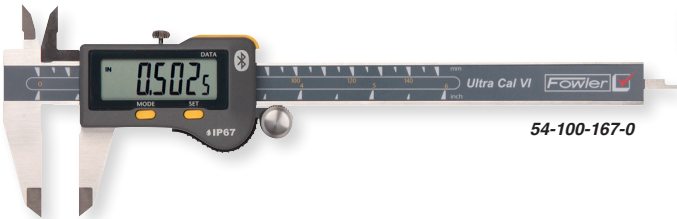
Alternative jaws available, contact the Fowler Technical Department for more information 1-800-788-2353

| Order No. | Range | Accuracy | List Price | Sale Price |
|---------------------------------|--|----------------|------------|-------------------|
| 54-110-512-0 | 0 - 15"/0 - 400mm | 0.0012"/30 µm | \$2,532.88 | \$2,153.00 |
| 54-110-524-0 | 0 - 24"/0 - 600mm | 0.0016"/40 µm | \$3,016.86 | \$2,565.00 |
| 54-110-540-0 | 0 - 40"/0 - 1000mm | 0.002"/50 µm | \$3,474.34 | \$2,954.00 |
| 54-110-560-0 | 0 - 60"/0 - 1500mm | 0.0035"/90 µm | \$4,564.28 | \$3,880.00 |
| 54-110-580-0 | 0 - 80"/0 - 2000mm - <i>special order</i> | 0.0048"/120 µm | \$7,048.49 | \$5,992.00 |
| 54-110-600-0 | 0 - 100"/0 - 2500mm - <i>special order</i> | 0.0078"/200 µm | \$8,585.95 | \$7,299.00 |
| Connectivity Cables/Accessories | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | \$810.69 | \$771.00 |
| 54-115-526-0 | Proximity USB Cable | | \$223.37 | \$202.00 |
| 54-115-527-0 | Proximity Serial Cable | | \$216.29 | \$195.00 |
| 54-115-246-BT | USB Bluetooth Receiver | | \$49.45 | \$43.00 |

Swiss Ultra-Cal VI Electronic Calipers

3 styles to suit your needs.

24.2



54-100-167-0



54-100-444-1



Calipers

Features:

- P67 protected against fluid and dust
- Available with Bluetooth proximity cable or no SPC output
- Heavy duty frame
- Extra large display
- Available with SO Cert
- 12"/300mm is supplied without depth rod



Calibration certificates available for all sizes.

| Order No. | Range | Accuracy | Resolution | List Price | Sale Price |
|---------------------------------|--|--------------|----------------|------------|-----------------|
| Bluetooth Communication | | | | | |
| 54-100-167-0 | 6"/150mm | 0 0008"/20µm | 0 0005"/0 01mm | \$425 08 | \$383.00 |
| 54-100-168-0 | 8"/200mm | 0 0012"/30µm | 0 0005"/0 01mm | \$725 47 | \$653.00 |
| 54-100-169-0 | 12"/300mm | 0 0012"/30µm | 0 0005"/0 01mm | \$886 25 | \$754.00 |
| Proximity Cable Communication | | | | | |
| 54-100-444-1 | 6"/150mm | 0 0008"/20µm | 0 0005"/0 01mm | \$196 06 | \$177.00 |
| 54-100-448-1 | 8"/200mm | 0 0012"/30µm | 0 0005"/0 01mm | \$439 69 | \$396.00 |
| 54-100-412-1 | 12"/300mm | 0 0012"/30µm | 0 0005"/0 01mm | \$593 06 | \$534.00 |
| Without Data Output | | | | | |
| 54-100-177-0 | 6"/150mm | 0 0008"/20µm | 0 0005"/0 01mm | \$169 18 | \$153.00 |
| 54-100-178-0 | 8"/200mm | 0 0012"/30µm | 0 0005"/0 01mm | \$398 79 | \$359.00 |
| 54-100-179-0 | 12"/300mm | 0 0012"/30µm | 0 0005"/0 01mm | \$460 06 | \$415.00 |
| Connectivity Cables/Accessories | | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | | \$810 69 | \$771.00 |
| 54-115-526-0 | Proximity cable with USB Connection | | | \$223 37 | \$202.00 |
| 54-115-527-0 | Proximity cable with Serial Connection | | | \$216 29 | \$195.00 |
| 54-115-246-BT | USB Bluetooth Receiver | | | \$49 45 | \$43.00 |



IP67 Electronic Calipers

Smart Wireless Communication to most phones or tablets.



54-100-556-BT



Features:

- P67 protected against fluid and dust
- Wireless connectivity for quick error free data collection
- Supplied with N ST certification
- Heavy duty frame with 4 way measuring inside outside depth and step
- Super large display
- Includes fitted case extra battery tray and a 1" setting standard

| Order No. | Range | Accuracy | List Price | Sale Price |
|---------------|---------------|----------------|------------|-----------------|
| 54-100-556-BT | 0 - 6"/150mm | 0.001"/0.02mm | \$211.24 | \$191.00 |
| 54-100-512-BT | 0 - 12"/300mm | 0.0015"/0.04mm | \$259.54 | \$234.00 |

XTRA-VALUE^{Plus} Electronic Calipers

IP54 protected with inch/metric/fractions.



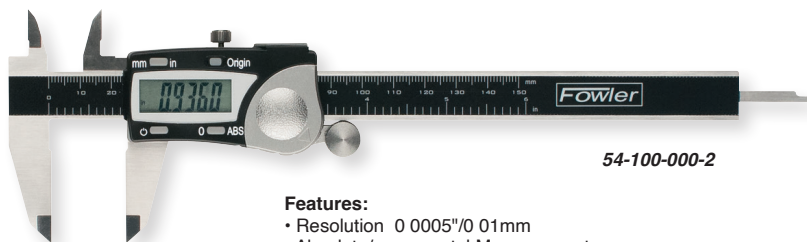
Features:

- Range 6"/150mm
- Accuracy $\pm 0.001"/0.02\text{mm}$
- Inch/Metric/Fraction reading 0.0005"/0.01mm/1/128"
- Heavy Duty frame for extra rigidity and wear resistance
- Super large easy to read display
- Includes fitted case

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|---------------|----------------|------------|-----------------|
| 54-103-006-0 | 0 - 6"/150mm | 0.001"/0.02mm | \$98.98 | \$80.00 |
| 54-103-012-0 | 0 - 12"/300mm | 0.0015"/0.03mm | \$149.79 | \$128.00 |

Electronic Calipers

Absolute location retention after shut off.



54-100-000-2

Features:

- Resolution 0.0005"/0.01mm
- Absolute/Incremental Measurement
- Stainless steel frame
- Direct Inch/Metric conversion
- 4 way measuring inside outside depth and step
- Wireless SPC data option
- Includes fitted case

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|----------------------|----------------|------------|-----------------|
| 54-100-004-2 | 4"/100mm | 0.001"/0.02mm | \$143.24 | \$122.00 |
| 54-100-000-2 | 6"/150mm | 0.001"/0.02mm | \$161.96 | \$146.00 |
| 54-100-008-2 | 8"/200mm | 0.0015"/0.04mm | \$164.57 | \$140.00 |
| 54-100-112-2 | 12"/300mm | 0.0015"/0.04mm | \$226.48 | \$193.00 |
| Accessories | | | | |
| 54-115-100-0 | Wireless transmitter | | \$119.81 | \$114.00 |

XTRA-VALUE CAL Electronic Calipers

Value priced verniers.



54-101-150-2



54-101-300-1



Features:

- Stainless steel frame
- Large easy to read display
- Resolution 0.0005"/0.01mm
- Absolute/Incremental measurement
- 4 way measuring inside outside depth and step
- 6" and 12" regular display models include NIST cert
- Includes fitted case

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|---|----------------|------------|-----------------|
| 54-101-150-2 | 6"/150mm - Regular Display | 0.001"/0.02mm | \$54.93 | \$47.00 |
| 54-101-600-1 | 6"/150mm - Large Display with Hold feature | 0.0015"/0.04mm | \$75.62 | \$65.00 |
| 54-101-200-1 | 8"/200mm - Regular Display | 0.0015"/0.04mm | \$102.31 | \$87.00 |
| 54-101-300-1 | 12"/300mm - Regular Display | 0.0015"/0.04mm | \$125.48 | \$107.00 |
| 54-101-900-1 | 12"/300mm - Large Display with Hold feature | 0.0015"/0.04mm | \$165.55 | \$141.00 |

XTRA-RANGE® Carbon Fiber Electronic Calipers

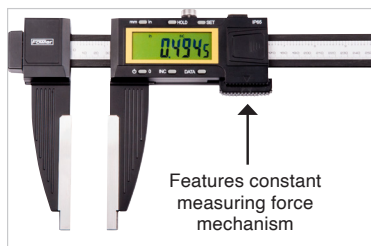


54-100-140-0

Features:

- P65 protected against fluid and dust
- Lightweight carbon fiber frame
- Stainless steel jaws with D nibs
- D/OD pressure device for repeatability
- USB data output (works with 54 520 399 0)
- Preset ABS/ NC Floating zero N/MM Hold function
- Super large display
- Fitted wooden case

Protected to:
IP65
DUST & FLUID
RESISTANT

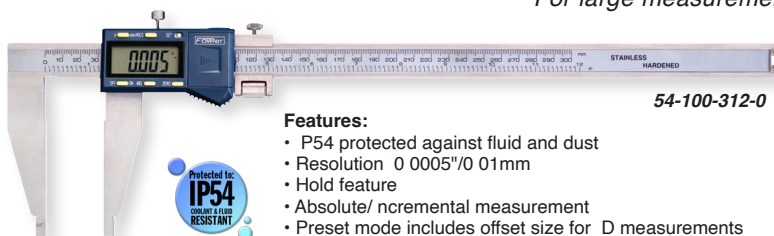


Features constant
measuring force
mechanism

| Order No. | Range | Accuracy | Jaw Depth | Weight | List Price | Sale Price |
|--------------|----------------|----------------|------------|----------|------------|-------------------|
| 54-100-124-0 | 0 - 24"/600mm | 0.0020"/0.05mm | 5 4"/138mm | 2.85 lbs | \$825.00 | \$743.00 |
| 54-100-140-0 | 0 - 40"/1000mm | 0.0025"/0.06mm | 5 4"/138mm | 3.45 lbs | \$1,495.00 | \$1,346.00 |
| 54-100-160-0 | 0 - 60"/1500mm | 0.0055"/0.13mm | 5 9"/150mm | 4.4 lbs | \$1,995.00 | \$1,796.00 |

XTRA-RANGE® Electronic Calipers

For large measurements



54-100-312-0

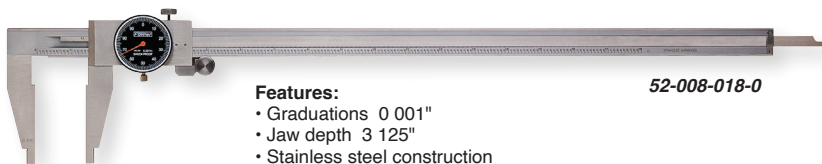
Features:

- P54 protected against fluid and dust
- Resolution 0.0005"/0.01mm
- Hold feature
- Absolute/ incremental measurement
- Preset mode includes offset size for D measurements
- Both sizes feature fine adjustment

| Order No. | Range | Accuracy | Jaw Depth | List Price | Sale Price |
|--------------|---------------|----------------|-----------|------------|-----------------|
| 54-100-312-0 | 0 - 12"/300mm | 0.002"/0.05mm | 3.5" | \$266.68 | \$241.00 |
| 54-100-024-1 | 0 - 24"/600mm | 0.003"/0.075mm | 4" | \$412.94 | \$372.00 |

XTRA-RANGE® Dial Calipers

With full length depth rod



52-008-018-0

Features:

- Graduations 0.001"
- Jaw depth 3.125"
- Stainless steel construction
- Satin chrome finish
- Full length depth rod
- 0.50" internal measuring nibs on jaws

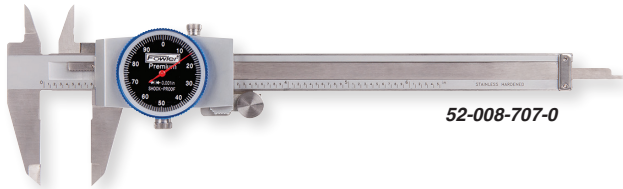
| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|---------|----------|------------|-----------------|
| 52-008-018-0 | 0 - 18" | 0.003" | \$292.40 | \$234.00 |
| 52-008-024-0 | 0 - 24" | 0.003" | \$354.33 | \$302.00 |

Premium Grade Dial Calipers

With mono-block housing for added protection.



52-008-706-0



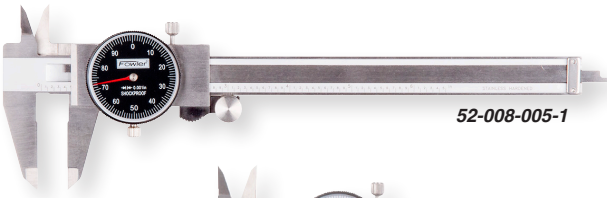
52-008-707-0

Features:

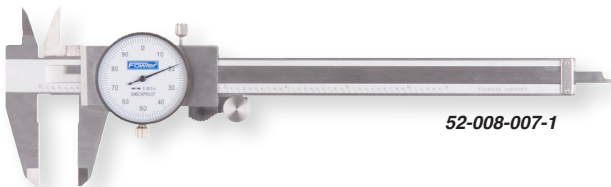
- Tough shockproof gearing with ultra smooth movement
- 4 way measuring inside outside depth and step
- Inverted/covered rack
- Solid stainless steel construction with lapped measuring faces
- 0 100" range per revolution
- 0 001" reading dial

| Order No. | Range | Dial Color | Accuracy | List Price | Sale Price |
|--------------|-----------|------------|----------|------------|-----------------|
| 52-008-704-1 | 0 - 0" | White | 0 001" | \$90 00 | \$77.00 |
| 52-008-714-1 | 0 - 0" | Black | 0 001" | \$90 00 | \$77.00 |
| 52-008-706-0 | 0 - 6" | White | 0 001" | \$102 74 | \$88.00 |
| 52-008-707-0 | 0 - 6" | Black | 0 001" | \$102 74 | \$88.00 |
| 52-008-708-0 | 0 - 8" | White | 0 0015" | \$123 37 | \$105.00 |
| 52-008-712-0 | 0 - 12" | White | 0 002" | \$165 88 | \$141.00 |
| Metric | | | | | |
| 52-008-709-0 | 0 - 150mm | Yellow | 0 02mm | \$105 93 | \$91.00 |

Dial Calipers



52-008-005-1



52-008-007-1

Features:

- 4 way measuring for outside inside depths and steps
- Graduation 0 001"
- Hardened stainless steel throughout
- Covered rack
- Shockproof gearing

| Order No. | Range | Dial Color | Accuracy | List Price | Sale Price |
|--------------|---------|------------|----------|------------|-----------------|
| 52-008-005-1 | 0 - 6" | Black | 0 001" | \$85 00 | \$73.00 |
| 52-008-007-1 | 0 - 6" | White | 0 001" | \$85 00 | \$73.00 |
| 52-008-008-1 | 0 - 8" | White | 0 0015" | \$100 00 | \$85.00 |
| 52-008-012-1 | 0 - 12" | White | 0 002" | \$150 00 | \$128.00 |

Electronic Micrometers Comparison Chart

| | Data Output | Wireless | IP Rating | Sizes |
|---------------------------|-------------|----------|-----------|-------|
| RAPID-MIC Micrometers | ✓ | ✓ | P67 | 0 4" |
| DIGI-MIC Micrometers | | ✓ | P67 | 0 1" |
| Xtra-MIC PLUS Mics | ✓ | | P54 | 0 4" |
| Coolant Resistant Mics | | | P54 | 0 4" |
| Xtra-Value II Micrometers | | | P40 | 0 4" |

Rapid-Mic Quick-Displacement Electronic Micrometers

Fastest micrometer on the market!



Fowler 
LIFETIME WARRANTY

sylvac  **SWISS PRECISION**



Features:

- P67 protected against fluid and dust
- Non rotating spindle with 0 39"/10mm travel per thimble rotation
- Adjustable measuring force 5N/10N (54 815 030 0 and 54 815 130 0 only)
- Menu customizable with free software
- Larger sizes and specialty anvils micrometers also available

Calibration certificates available for all sizes.

| Order No. | Range | Accuracy | List Price | Sale Price |
|---------------------------------|--|------------------|------------|-------------------|
| 54-815-030-0 | 0 - 1 18"/0 - 30mm | 0 00012"/0 003mm | \$625 88 | \$532.00 |
| 54-815-060-0 | 1 18" - 2 6"/30 - 66mm | 0 00016"/0 004mm | \$1,134 49 | \$1,022.00 |
| 54-815-100-0 | 2 6" - 4 0"/66 - 102mm | 0 00020"/0 005mm | \$1,237 69 | \$1,114.00 |
| Set | | | | |
| 54-815-111-0 | 0 - 4"/0 - 102mm | | \$2,851 16 | \$2,424.00 |
| Bluetooth Models | | | | |
| 54-815-130-0 | 0 - 1 18"/0 - 30mm | 0 00012"/0 003mm | \$986 19 | \$888.00 |
| 54-815-160-0 | 1 18" - 2 6"/30 - 66mm | 0 00016"/0 004mm | \$1,311 38 | \$1,216.00 |
| 54-815-110-0 | 2 6" - 4 0"/66 - 102mm | 0 00020"/0 005mm | \$1,553 60 | \$1,259.00 |
| Bluetooth Set | | | | |
| 54-815-112-0 | 0 - 4"/0 - 102mm | | \$3,706 17 | \$3,218.00 |
| Connectivity Cables/Accessories | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | \$810 68 | \$771.00 |
| 54-981-724-5 | Sylcom Pro Data Processing Software | | \$1,939 95 | \$1,843.00 |
| 54-115-526-0 | Proximity cable with USB connection | | \$223 37 | \$202.00 |
| 54-115-527-0 | Proximity cable with serial connection | | \$216 29 | \$195.00 |
| 54-115-246-BT | USB Bluetooth receiver | | \$49 45 | \$43.00 |

DigiMic Electronic Micrometer

The world standard of precision with IP67 and Bluetooth®.



24.2



Features:

- P67 protected against fluid and dust
- Very High Accuracy 0.00008"/0.002mm (0.1"/25mm)
- Bluetooth OT ready no dongle or cable required for SPC data collection
- Carbide measuring surfaces sleep and absolute modes



BOWERS GROUP



MADE IN ENGLAND



Order No. 54-816-025-0

Calibration certificate available.

Sale \$644.00

List Price \$886.83

XTRA-MIC PLUS Electronic Micrometers



54-880-001-0



25% off

Limited quantities



Features:

- P54 protected against fluid and dust
- Super large LCD display 14mm height
- Resolution 0.00005"/0.001mm
- Carbide tipped anvil and spindle

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|-------------------|------------------|------------|-----------------|
| 54-880-001-0 | 0 - 1"/0 - 25mm | 0.00016"/0.004mm | \$152.25 | \$115.00 |
| 54-880-002-0 | 1 - 2"/25 - 50mm | 0.00016"/0.004mm | \$194.98 | \$153.00 |
| 54-880-003-0 | 2 - 3"/50 - 75mm | 0.0002"/0.005mm | \$208.44 | \$163.00 |
| 54-880-004-0 | 3 - 4"/75 - 100mm | 0.0002"/0.005mm | \$239.01 | \$162.00 |
| Set | | | | |
| 54-880-103-0 | 0 - 3"/0 - 75mm | | \$538.08 | \$384.00 |

Electronic IP54 Blade Micrometers



54-860-241-0



Features:

- P54 protected against fluid and dust
- Blades are 0.030" thick x 0.255" long
- Accuracy 0.00016"
- Resolution 0.00005"/0.001mm
- Friction thimble

| Order No. | Range | List Price | Sale Price |
|--------------|-----------------------------------|------------|-----------------|
| 54-860-241-0 | 0 - 1" Blade Anvil | \$300.90 | \$241.00 |
| 54-860-242-0 | 1" - 2" Blade Anvil with standard | \$374.04 | \$300.00 |

Prices & Specifications are subject to change without notice

25

Micrometers



Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.



54-860-001-1



Features:

- P54 protected against fluid and dust
- Resolution 0.00005"/0.001mm
- Carbide measuring faces
- Absolute & incremental modes
- Ratchet thimble
- Automatic switch off
- Free ball attachment included
- Sizes over 1"/25mm include a calibration standard

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|------------------------------|------------------|------------|-----------------|
| 54-860-001-1 | 0 - 1"/0 - 25mm | 0.00016"/0.004mm | \$157.14 | \$126.00 |
| 54-860-002-1 | 1 - 2"/25 - 50mm w/standard | 0.00016"/0.004mm | \$181.88 | \$146.00 |
| 54-860-003-1 | 2 - 3"/50 - 75mm w/standard | 0.0002"/0.005mm | \$190.70 | \$138.00 |
| 54-860-004-1 | 3 - 4"/75 - 100mm w/standard | 0.0002"/0.005mm | \$221.40 | \$169.00 |
| Set | | | | |
| 54-860-103-1 | 0 - 3"/0 - 75mm w/standard | | \$516.67 | \$414.00 |

XTRA-VALUE II Electronic Micrometers



54-870-001-0



Features:

- P40 protected against fluid and dust
- Resolution 0.00005"/0.001mm
- Carbide measuring faces
- Absolute and incremental modes
- Ratchet thimble
- Free ball attachment included
- Sizes over 1"/25mm include a calibration standard

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|--------------------|------------------|------------|-----------------|
| 54-870-001-0 | 0 - 1"/0 - 25mm | 0.00016"/0.004mm | \$107.28 | \$86.00 |
| 54-870-002-0 | 1" - 2"/25 - 50mm | 0.00016"/0.004mm | \$115.85 | \$93.00 |
| 54-870-003-0 | 2" - 3"/50 - 75mm | 0.0002"/0.005mm | \$138.56 | \$111.00 |
| 54-870-004-0 | 3" - 4"/75 - 100mm | 0.0002"/0.005mm | \$169.62 | \$136.00 |
| Set | | | | |
| 54-870-103-0 | 0 - 3"/0 - 75mm | | \$346.42 | \$278.00 |

Digit Counter Micrometers

0.001" digit counter.



52-224-001-1

Features:

- Digital counter reads to 0 001"
- Graduations 0 0001" (using vernier)
- Microfine graduations on satin chrome
- Carbide tipped measuring faces
- Sizes over 1"/25mm include a standard
- Includes case

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|--|----------|------------|-----------------|
| 52-224-001-1 | 0 - 1" | 0 00016" | \$125 49 | \$95.00 |
| 52-224-002-1 | 1" - 2" | 0 00016" | \$131 81 | \$93.00 |
| 52-224-003-1 | 2" - 3" | 0 0002" | \$150 12 | \$106.00 |
| 52-224-004-1 | 3" - 4" | 0 0002" | \$189 08 | \$133.00 |
| 52-224-005-1 | 4" - 5" | 0 00024" | \$194 27 | \$123.00 |
| 52-224-006-1 | 5" - 6" | 0 00024" | \$203 08 | \$128.00 |
| Sets | | | | |
| 52-224-103-0 | 0 - 3" set (set finished in grey enamel) | | \$396 05 | \$278.00 |
| 52-224-104-0 | 0 - 4" set (set finished in grey enamel) | | \$561 69 | \$394.00 |
| 52-224-220-0 | 0 - 75mm set (set finished in grey enamel) | | \$463 37 | \$292.00 |

Digit Counter Ball Anvil Micrometers



52-244-201-1

Features:

- Microfine graduations on satin chrome
- Digital counter reads to 0 001" sleeve reads to 0 0001"
- Spindle hardened and precision ground with a carbide tipped measuring face
- Ratchet stop thimble
- Accuracy 0 00016" Graduation 0 0001"

| Order No. | Range | List Price | Sale Price |
|--------------|---------------------------------|------------|-----------------|
| 52-244-201-1 | 0 - 1" Ball Anvil | \$135 89 | \$96.00 |
| 52-244-301-1 | 1" - 2" Ball Anvil/Ball Spindle | \$164 99 | \$116.00 |

Digit Counter Disc Micrometers



Order No. 52-250-301-1

Sale \$143.00

List Price \$178.70

Features:

- Anvil and spindle are hardened and precision ground
- Flatness 0 00004"
- Accuracy 0 00016" Graduation 0 0001"
- Disc edge thickness 0 035" disc dia 0 708"
- Ratchet thimble
- The disc type anvil and spindle simplifies measuring the thickness of difficult closely spaced sections

Outside Vernier Micrometers

0.0001" graduations for higher accuracy.



52-240-001-1



52-215-003-1

Features:

- Graduation 0.0001"
- Microfine graduations on satin chrome finish and carbide tipped measuring faces
- Diameter of measuring faces 0.256"
- Flatness 0.00003"
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Includes a wrench and case
- Sizes over 1 1/25mm include a standard

| Order No. | Range | Accuracy | Thimble | List Price | Sale Price |
|--------------|---|----------|----------|------------|-----------------------|
| 52-240-001-1 | 0 - 1" | 0.00016" | Friction | \$45.94 | \$40.00 |
| 52-240-101-1 | 0 - 1" | 0.00016" | Ratchet | \$45.94 | \$40.00 |
| 52-240-002-1 | 1" - 2" | 0.00016" | Friction | \$53.43 | \$46.00 |
| 52-240-102-1 | 1" - 2" | 0.00016" | Ratchet | \$61.14 | \$52.00 |
| 52-240-003-1 | 2" - 3" | 0.0002" | Ratchet | \$62.43 | \$54.00 |
| 52-240-004-1 | 3" - 4" | 0.0002" | Ratchet | \$79.78 | \$68.00 |
| 52-240-005-1 | 4" - 5" | 0.00024" | Ratchet | \$88.36 | \$76.00 |
| 52-240-006-1 | 5" - 6" | 0.00024" | Ratchet | \$96.81 | \$83.00 |
| 52-240-007-1 | 6" - 7" | 0.00028" | Ratchet | \$105.26 | \$90.00 |
| 52-240-008-1 | 7" - 8" | 0.00028" | Ratchet | \$108.25 | \$93.00 |
| 52-240-009-1 | 8" - 9" | 0.00032" | Ratchet | \$123.03 | \$105.00 |
| 52-240-010-1 | 9" - 10" | 0.00032" | Ratchet | \$139.52 | \$119.00 |
| 52-240-011-1 | 10" - 11" | 0.00036" | Ratchet | \$154.30 | \$132.00 |
| 52-240-012-1 | 11" - 12" | 0.00036" | Ratchet | \$193.48 | \$165.00 |
| Sets | | | | | |
| 52-215-003-1 | 0 - 3" with standards and fitted shop hardened case | | | \$183.19 | \$147.00 |
| 52-215-004-1 | 0 - 4" with standards and fitted shop hardened case | | | \$262.46 | \$224.00 |
| 52-215-006-1 | 0 - 6" with standards and fitted shop hardened case | | | \$445.54 | \$379.00 |
| 52-215-012-1 | 0 - 12" with standards and fitted case | | | \$1,350.70 | \$1,130.00 |
| 52-215-612-1 | 6 - 12" with standards and fitted case | | | \$891.07 | \$758.00 |

Outside Vernier Micrometers

0.001" readings.



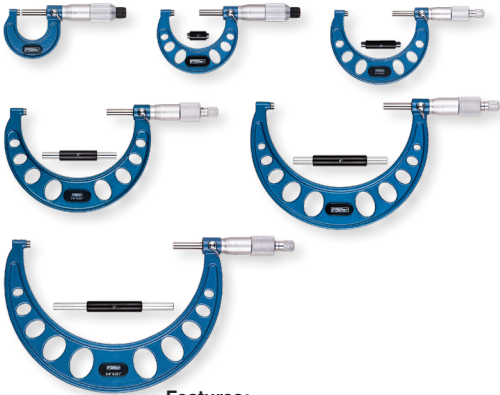
52-253-001-1



- Features:**
- Graduation 0 001"
 - Carbide tipped measuring faces
 - Diameter of measuring faces 0 256"
 - Anvil & spindle hardened and precision ground with microlap finish on tips
 - Sizes over 1"/25mm include a standard

| Order No. | Range | Accuracy | Thimble | List Price | Sale Price |
|--------------|---------|----------|----------|------------|----------------|
| 52-253-001-1 | 0 - 1" | 0 001" | ricktion | \$38 66 | \$33.00 |
| 52-253-101-1 | 0 - 1" | 0 001" | Ratchet | \$38 66 | \$33.00 |
| 52-253-002-1 | 1" - 2" | 0 001" | ricktion | \$52 58 | \$45.00 |
| 52-253-102-1 | 1" - 2" | 0 001" | Ratchet | \$45 94 | \$40.00 |
| 52-253-003-1 | 2" - 3" | 0 001" | Ratchet | \$61 15 | \$52.00 |
| 52-253-004-1 | 3" - 4" | 0 001" | Ratchet | \$62 43 | \$54.00 |
| 52-253-005-1 | 4" - 5" | 0 001" | Ratchet | \$69 71 | \$60.00 |
| 52-253-006-1 | 5" - 6" | 0 001" | Ratchet | \$77 21 | \$66.00 |

Outside Vernier Micrometer Set



- Features:**
- Range 0 6"
 - Carbide tipped measuring faces
 - Graduation 0 001"
 - Diameter of measuring faces 0 256"
 - Anvil & spindle hardened and precision ground with microlap finish on tips
 - Sizes over 1" include a standard

Order No. 52-253-600-1

Sale \$302.00

L st Pr ce \$354.41

Electronic IP65 Thread Micrometers

For accurate pitch diameter measurements



54-219-001-0

Features:

- P65 protected against fluid and dust
- Thread range 64 - 3.5 TP / 0.4 - 7mm
- Accuracy $\pm 0.00008"/0.002\text{mm}$
- 60° measuring anvils
- Absolute and incremental measuring mode
- Resolution 0.00005"/0.001mm
- Friction thimble

| Order No. | Range | Thread Range | Accuracy | List Price | Sale Price |
|--------------|---------------------|------------------------|------------------|------------|-----------------|
| 54-219-001-0 | 0 - 1" / 0 - 25mm | 64 - 5 P / 0.4 - 5mm | 0.00008"/0.002mm | \$289.94 | \$261.00 |
| 54-219-002-0 | 1" - 2" / 25 - 50mm | 44 - 3.5 P / 0.6 - 7mm | 0.00008"/0.002mm | \$349.06 | \$315.00 |

Vernier Thread Micrometers



52-219-001-1

Features:

- 60° measuring anvils
- Graduation 0.001"
- Ratchet thimble
- Sizes over 1" include standard

| Order No. | Range | Thread Range | Accuracy | List Price | Sale Price |
|--------------|---------|------------------------|----------|------------|-----------------|
| 52-219-001-1 | 0 - 1" | 64 - 5 P / 0.4 - 5mm | 0.00016" | \$132.54 | \$120.00 |
| 52-219-002-1 | 1" - 2" | 44 - 3.5 P / 0.6 - 7mm | 0.00016" | \$127.49 | \$115.00 |

Micrometer Stands



52-247-005-0

Features:

- Unique locking system adjusts micrometer stand to any position for perfect use and viewing
- Stand folds for storage

XTRA MAG®

Features:

- Holds standard 0 - 12" micrometers firmly to metal surfaces
- Use at machine centers assembly and inspection stations steel tables and shelves
- V bottom for mounting on cylindrical surfaces
- On/Off magnet switch
- Base is 2 3/8" L x 1 20" W x 3 5/8" H



52-247-010-0

Micrometer not included

| Order No. | Description | List Price | Sale Price |
|--------------|---------------------------|------------|----------------|
| 52-247-005-0 | olding Micrometer Stand | \$48.66 | \$40.00 |
| 52-247-010-0 | Magnetic Micrometer Stand | \$77.48 | \$70.00 |

IP54 Electronic Depth Micrometer

Features:

- P54 protected against fluid and dust
- Range 0 - 6"/150 mm
- Resolution 0.00005"/0.001mm
- Base surface hardened and microlapped to 0.00008" flatness
- Rod diameter 0.176"
- Includes fitted case



Order No. 54-225-456-0

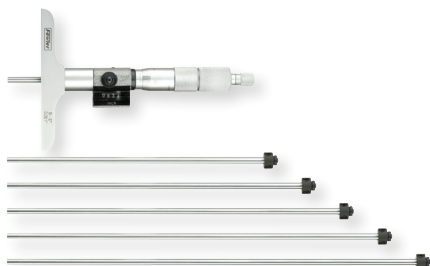
Sale \$226.00

List Price \$250.55

Digit Counter Depth Micrometers

Features:

- Easy to read digit counter
- Microfine 0.001" graduations
- Base surface hardened and microlapped to 0.00008" flatness
- Ratchet thimble
- Rod diameter 0.176"
- Includes wrench and fitted case



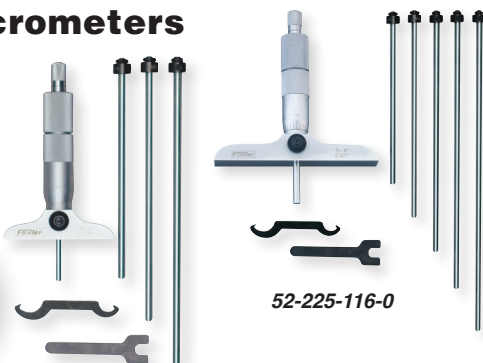
52-225-226-0

| Order No. | Range | Graduation | Accuracy | Base Size | List Price | Sale Price |
|--------------|--------|------------|----------|-----------|------------|-----------------|
| 52-225-176-0 | 0 - 6" | 0.001" | 0.0002" | 2.5" | \$219.24 | \$198.00 |
| 52-225-226-0 | 0 - 6" | 0.001" | 0.0002" | 4" | \$243.57 | \$208.00 |

Vernier Depth Micrometers

Features:

- Base surface hardened and microlapped to 0.00008" flatness
- Ratchet thimble
- Locking clamp
- Rod diameter 0.176"
- Includes fitted case



52-225-116-0

52-225-110-0

| Order No. | Range | Graduation | Accuracy | Base Size | List Price | Sale Price |
|--------------|--------|------------|----------|-----------|------------|-----------------|
| 52-225-110-0 | 0 - 4" | 0.001" | 0.0002" | 2.5" | \$157.44 | \$142.00 |
| 52-225-112-0 | 0 - 6" | 0.001" | 0.0002" | 2.5" | \$201.58 | \$182.00 |
| 52-225-114-0 | 0 - 4" | 0.001" | 0.0002" | 4" | \$161.14 | \$146.00 |
| 52-225-116-0 | 0 - 6" | 0.001" | 0.0002" | 4" | \$188.55 | \$170.00 |

Prices & Specifications are subject to change without notice

Electronic Indicators Comparison Chart

| | Data Output | Wireless Option | IP Rating | IN/MM/Frac. |
|-------------------------------|-------------|-----------------|-----------|-------------|
| MARK VI indicators | ✓ | ✓ | P54 | |
| Mini-S indicators | ✓ | ✓ | P67 | |
| Quadra-TEST indicators | ✓ | ✓ | P65 | |
| Indi-X BT indicators | | ✓ | P65 | |
| Indi-X indicators | | | | ✓ |



54-530-335-0

Mark VI Electronic Indicators

Our BEST electronic indicators!



Features:

- P54 protected against fluid and dust
- Output Proximity/Power USB/RS232/digimatic/Wireless
- Functions (M N/MAX/DELTA TOL Factor Preset Auto Off)
- Large display with LED tolerance indicators



Calibration certificates available for all sizes.

| Order No. | Range | Accuracy | Resolution | List Price | Sale Price |
|-----------------|---------------------------------------|------------------|------------------|------------|-------------------|
| Low Resolution | | | | | |
| 54-530-125-0 | 0 - 0 500"/12 5mm | 0 0004"/0 01mm | 0 0005"/0 01mm | \$576 32 | \$519.00 |
| 54-530-145-0 | 0 - 1"/25mm | 0 0004"/0 01mm | 0 0005"/0 01mm | \$657 81 | \$593.00 |
| High Resolution | | | | | |
| 54-530-135-0 | 0 - 0 500"/12 5mm | 0 00012"/0 003mm | 0 00005"/0 001mm | \$713 10 | \$614.00 |
| 54-530-155-0 | 0 - 1"/25mm | 0 00016"/0 004mm | 0 00005"/0 001mm | \$681 61 | \$642.00 |
| 54-530-175-0 | 0 - 2"/50mm | 0 00019"/0 005mm | 0 00005"/0 001mm | \$1,368 02 | \$1,232.00 |
| Bluetooth | | | | | |
| 54-530-335-0 | 0 - 0 500"/12 5mm | 0 00012"/0 003mm | 0 00005"/0 001mm | \$902 32 | \$813.00 |
| 54-530-355-0 | 0 - 1"/25mm | 0 00016"/0 004mm | 0 00005"/0 001mm | \$841 84 | \$758.00 |
| Accessories | | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | | \$810 69 | \$771.00 |
| 54-981-724-5 | Sylcom Pro Digital License | | | \$1 939 95 | \$1,843.00 |
| 54-115-246-BT | USB Bluetooth Receiver | | | \$49 45 | \$43.00 |



54-520-285-0



54-520-280-0

INDI-X[®] BT Electronic Indicators

Smart Wireless Communication to most phones and tablets



Features:

- Bluetooth compatible to most phones and tablets
- Resolution 0 00005"/0 001mm
- Economical bluetooth option
- includes lifting hook ceramic ball contact point 2 specialty contact points (spline and point) N ST cert lug and flat backs

Calibration certificates available for all sizes.

| Order No. | Range | Accuracy | List Price | Sale Price |
|--------------|------------------|------------------|------------|-----------------|
| 54-520-280-0 | 0 - 1"/25mm | 0 00035"/0 008mm | \$185 80 | \$165.00 |
| 54-520-285-0 | 0 - 0 50"/12 5mm | 0 00030"/0 007mm | \$179 67 | \$159.00 |



54-520-255-0



54-520-250-0



54-520-260-0



Features:

- Accuracy $\pm 0.001"/0.03\text{mm}$
- Resolution $0.0005"/0.01\text{mm}$
- 54 520 260 0 also reads $1/64\text{ths}$
- 2 1/4" dial face
- Lugback and 3/8" stem mountings
- Tolerance function
- Absolute/incremental reading
- Floating zero

Calibration certificates available for all sizes.

| Order No. | Range | List Price | Sale Price |
|--------------|--------------|------------|-----------------|
| 54-520-255-0 | 0 50"/12 5mm | \$117 77 | \$95.00 |
| 54-520-250-0 | 1"/25mm | \$133 36 | \$107.00 |
| 54-520-260-0 | 1"/25mm | \$135 38 | \$109.00 |

Mini S_Dial Indicators

Small in size BIG in features!

Features:

- Bluetooth connectivity to your phone or tablet
- P67 protected against fluid and dust
- All indicators feature 0 50"/12 5mm range
- Analog scale for reversal point indication Min/Max multiplication factor (Bluetooth® models only)
- 3/8" mounting diameter with 4 48 contact thread
- Auto power off feature
- Optional cable connectivity output



54-520-687-BT



54-520-692-0



Calibration certificates available for all sizes.

| Order No. | Accuracy | Resolution | List Price | Sale Price |
|---|---------------------------------------|------------------|------------|-----------------|
| Bluetooth Models | | | | |
| 54-520-687-BT | 0 0004"/0 01mm | 0 0005"/0 01mm | \$592 58 | \$534.00 |
| 54-520-690-BT | 0 0002"/0 005mm | 0 00005"/0 001mm | \$860 27 | \$775.00 |
| Basic Models (Zero set, preset, in/mm, measuring direction) | | | | |
| 54-520-691-0* | 0 0004"/0 01mm | 0 0005"/0 01mm | \$498 06 | \$449.00 |
| 54-520-692-0* | 0 0002"/0 005mm | 0 00005"/0 001mm | \$687 64 | \$619.00 |
| Accessories | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | \$810 69 | \$771.00 |
| 54-115-528-0 | USB Power Cable | | \$323 34 | \$292.00 |

*Bluetooth models feature zero data preset direction min/max/delta resolution multiplication factor

Prices & Specifications are subject to change without notice

Premium Dial Indicators

Smooth, accurate and built tough.

Features:

- AGD Group 2 specifications
- Shockproof gearing
- Jeweled movement
- Tolerance markers
- Solid steel housing
- Carbide contact point
- Includes N ST Certification



52-520-135-0



52-520-105-0

52-520-110-1



| Order No. | Range | Graduation | Reading | Balanced Reading | Dial Color | List Price | Sale Price |
|--------------|--------|------------|---------|------------------|------------|------------|-----------------|
| 52-520-135-0 | 0 05" | 0 0001" | 0 - 10 | 0 - 5 - 0 | White | \$205 54 | \$155.00 |
| 52-520-105-0 | 0 50" | 0 001" | 0 - 100 | 0 - 50 - 0 | White | \$105 64 | \$72.00 |
| 52-520-110-1 | 1" | 0 001" | 0 - 100 | — | Black | \$100 53 | \$76.00 |
| 52-520-110-2 | 1" | 0 001" | 0 - 100 | — | White | \$100 53 | \$76.00 |
| 52-520-120-0 | 2" | 0 001" | 0 - 100 | — | White | \$160 28 | \$121.00 |
| 52-520-125-0 | 0 250" | 0 0005" | 0 - 100 | — | White | \$147 39 | \$100.00 |
| 52-520-129-0 | 1" | 0 0005" | 0 - 50 | 0 - 25 - 0 | White | \$121 52 | \$92.00 |
| 52-520-300-0 | 10mm | 0 01mm | 0 - 100 | 0 - 50 - 0 | White | \$127 54 | \$87.00 |
| 52-520-500-0 | 25mm | 0 01mm | 0 - 100 | 0 - 50 - 0 | White | \$153 00 | \$115.00 |



Vertical Long Reach Test Indicator

Features:

- 3 077" extra long contact point
- Graduations 0 001"
- Jeweled movement
- Automatic reversal
- Dovetails on top and bottom of main body
- Includes fitted case

VERDICT



3.077"

Order No. 52-555-022-0

Sale \$356.00

List Price \$374.85

Electronic Test Indicators

Features:

- Bluetooth connectivity to your phone or tablet
- P65 protected against fluid and dust
- 4 measuring modes Min Max T R and Direct
- 4 measuring resolutions 0 00005"/0 001mm or 0 0005"/0 01mm
- 1 1/2" diameter dial face rotates a full 360°
- Analog scale for reversal point indication
- Meets or exceeds D N/ SO Standards
(Maximum error on 0 00005" scale at full range 0 0004")
- 54 562 890 BT is capable of interchanging contact point lengths



54-562-777-BT

Calibration certificates available for all sizes.

| Order No. | Range | Contact Point Length | List Price | Sale Price |
|---------------|---------------------------------------|----------------------|------------|-----------------|
| 54-562-777-BT | 0 030"/0 80mm | 1/2" | \$582 41 | \$486.00 |
| 54-562-888-BT | 0 080"/2 0mm | 1-7/16" | \$658 71 | \$560.00 |
| 54-562-890-BT | 0 030"/0 80mm 0 080"/2 0mm | 1/2" 1-7/16" | \$820 82 | \$698.00 |
| Accessories | | | | |
| 54-981-713-2 | Sylcom Basic Data Processing Software | | \$810 68 | \$771.00 |
| 54-115-528-0 | USB Power Cable | | \$323 33 | \$292.00 |

X-TEST®

Horizontal & Vertical Test Indicators

Features:

- Super smooth jeweled movement
- Smooth bezel adjustment for easy zero setting
- Solid brass anti magnetic housing
- 0 080" and 0 120" carbide ball contact points (0 040" steel ball)
- 0 060" range with auto reverse and rev counter
- Easy to read tilted dial
- 5/32" pivotable stem



52-562-005-0



52-562-001-0



52-562-002-BD

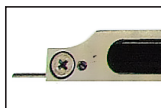
| Order No. | Graduation | Dial Size | Dial Reading | List Price | Sale Price |
|---------------|------------|-----------|--------------|------------|-----------------|
| Horizontal | | | | | |
| 52-562-001-0 | 0 0005" | 1-1/2" | 0 - 15 - 0 | \$143 15 | \$122.00 |
| 52-562-001-BD | 0 0005" | 1-1/2" | 0 - 15 - 0 | \$143 15 | \$122.00 |
| 52-562-002-BD | 0 0005" | 1-1/2" | 0 - 15 - 0 | \$159 05 | \$122.00 |
| 52-562-003-0 | 0 001" | 1" | 0 - 15 - 0 | \$163 82 | \$140.00 |
| 52-562-008-0 | 0 01mm | 38mm | 0 - 40 - 0 | \$159 41 | \$140.00 |
| Vertical | | | | | |
| 52-562-004-0 | 0 0005" | 1-1/2" | 0 - 15 - 0 | \$156 75 | \$118.00 |
| 52-562-005-0 | 0 0005" | 1" | 0 - 15 - 0 | \$174 16 | \$135.00 |

S_Depth Gages

Perfect for measuring depths, groove widths, slot widths, recess heights, step heights and through holes.

Features:

- P67 protected against fluid and dust
- Bluetooth connectivity to your phone or tablet
- 3 measuring styles available
- 4"/100mm measuring base as standard
- Optional probes available for 54 139 160 0 series
- Extra large display
- Absolute measuring system



Rotary Pin Series
54-139-162-3



54-139-161-1



54-139-160-5



sylvac



**SWISS
PRECISION**



Contact our Technical Department for optional bases and contacts

| Order No. | Description | List Price | Sale Price |
|--------------|--|------------|-------------------|
| 54-139-160-1 | 8"/200mm interchangeable Anvil Bluetooth Depth Gage | \$1,349 30 | \$1,215.00 |
| 54-139-160-3 | 12"/300mm interchangeable Anvil Bluetooth Depth Gage | \$1,555 30 | \$1,400.00 |
| 54-139-160-5 | 19"/500mm interchangeable Anvil Bluetooth Depth Gage | \$2,080 60 | \$1,873.00 |
| 54-139-161-1 | 8"/200mm Standard Style Bluetooth Depth Gage | \$1,240 00 | \$1,150.00 |
| 54-139-161-3 | 12"/300mm Standard Style Bluetooth Depth Gage | \$1,410 00 | \$1,269.00 |
| 54-139-161-5 | 19"/500mm Standard Style Bluetooth Depth Gage | \$1,780 00 | \$1,651.00 |
| 54-139-162-1 | 8"/200mm Rotary Pin Bluetooth Depth Gage | \$1,340 00 | \$1,243.00 |
| 54-139-162-3 | 12"/300mm Rotary Pin Bluetooth Depth Gage | \$1,510 00 | \$1,400.00 |
| 54-139-162-5 | 19"/500mm Rotary Pin Bluetooth Depth Gage | \$2,111 50 | \$1,901.00 |

X-DEPTH 22" 0 - 22" Dial Depth Gage



Features:

- 0 1" travel indicator with 4" base
- 0 001" Graduations
- Rods connect together for full 22" capacity
- Satin chrome finish
- includes 2 extra points for small hole applications; one 0 078" dia x 1" long and one needle point x 1" long

Order No. 52-125-006-1

Sale \$169.00

List Price \$224.29

X-DEPTH 22" 0 - 22" Electronic Depth Gage

Provides rapid electronic measurement of hole depths.



Features:

- 0 1" AGD Group 2
- Resolution 0 0005"/0 01mm
- 4" base ground and lapped for flatness
- Rods connect for 22" capacity
- includes 2 extra points (spline & needle)
- Tolerance function

Order No. 54-125-777-0

Sale \$279.00

List Price \$349.23

Granite Dial Gage Stand

Sturdy with 0.00005" flatness

Features:

- 6" x 6" x 2" granite base
- Positive lock screw
- Fine adjustment knob for zero setting
- Column height is 8"
- Accepts all lug back indicators
- This stand is maintenance free



Order No. 52-580-030-0

Sale \$108.⁰⁰

L st Pr ce \$133.84

Magnetic Bases

Features:

- 9 5" Height and 85 lb pull
- Base dimensions are 2" x 2 11/32" x 1 13/16"(50mm x 58 7mm x 46mm)
- Accepts all AGD dial indicators
- V bottom base allows mounting on cylindrical surfaces
- Mounts test indicators with 1/4" post mount



52-585-005-0



52-585-010-0

| Order No. | Description | List Price | Sale Price |
|--------------|-----------------------------------|------------|----------------|
| 52-585-005-0 | Magnetic Base | \$66 08 | \$50.00 |
| 52-585-010-0 | Magnetic Base wit fine adjustment | \$70 98 | \$54.00 |

Hydraulic Arm Magnetic Base

Heavy duty holding power

Features:

- Adjusts to virtually any position
- All purpose magnetic base with 180 lbs of pulling power
- Fine adjustment
- Base can be mounted vertically as well as horizontally
- V bottom base allows mounting on cylindrical surfaces



Order No. 52-585-095-0

Sale \$201.⁰⁰

L st Pr ce \$267.42

Clinotronic-S

The Clinotronic S is a portable precision instrument for measuring inclinations up to $\pm 45^\circ$

The large backlit high contrast color display provides excellent readability even under adverse conditions in the workshop or under a machine

The Clinotronic S can be connected to an Android™ device which can then be used as a remote display. This new feature makes the instrument much more versatile and suitable for many applications. It is built on the success of the Clinotronic PLUS while retaining the features that made it famous like its reliability and versatility plus it adds the latest technology



Features:

- Wireless functionality (APP wylerUN VERSAL for Android™)
- Data transmission via USB cable as well
- User friendly
- Adjustable to local gravity
- Improved mechanical accuracy
- Excellent color display with low power consumption



Order No. 54-635-605-0

Sale \$3,762.00

List \$4,181.48

Clinotronic Plus

The Fowler Wyler Clinotronic Plus is an electronic level with unsurpassed versatility. It is economically priced, uses a specially designed microprocessor and the well proven Wyler inclination sensor.



Features:

- Range of $\pm 45^\circ$ capacity of 0-360°
- Resolution of 0.01° (selectable)
- Absolute or relative measuring mode selectable by push button
- Seal tec technology for excellent performance even in difficult environmental conditions
- Interface connection RS 232 is integrated. Special purpose cables available
- No loss of calibration data by power failure
- Response time value available within 5 seconds
- Repeatability < 0.1°
- Linearity 3 min of arc + 1
- Housing aluminum hard anodized
- Dimensions 4 x 3 x 1" (100 x 75 x 30mm)



Order No. 54-635-601-0

Sale \$2,248.00

List \$2,496.69

mini-MAG Protractor

The mini MAG Protractor provides instant 360° digital inclination display of any angle

Features:

- Accuracy $\pm 0.2^\circ$
- Resolution 0.05°
- Embedded magnets
- Display automatically inverts
- Dimensions 2 375" x 1 375" x 2 375"
- Hold feature
- Battery Life up to 250 hrs



Display inverts for easy reading!



Order No. 54-422-450-1

Sale \$92.00

List Price \$108.05

mini-MAG II

The mini MAG Protractor provides instant 360° digital inclination display of any angle

Features:

- On/off tilt % light zero functions
- Display is backlit for low light areas
- Embedded magnets with 3.5lb pull
- Display automatically inverts
- Measuring range 360° (4 x 90°)
- Accuracy $\pm 0.2^\circ$
- Resolution 0.05°
- Dimensions 2 375" x 1 375" x 2 375"
- Hold feature

Order No. 54-422-460-0

Sale \$107.00

List Price \$133.60



Digi Level PLUS+

with smart wireless data



Features:

- P65 protected against fluid and dust
- Large auto inverting display
- Includes a 6" straight edge with beveled edge and 1/32nds graduations
- Smart wireless available to connect to phone or tablet
- V's on top and bottom for measuring on cylindrical surfaces
- Embedded magnets on bottom base for vertical and horizontal hold
- Accuracy $\pm 0.2^\circ$
- Resolution 0.050°

Vertical Positioning



Horizontal Positioning



Protected to:
IP65
DUST & FLUID RESISTANT



| Order No. | Description | List Price | Sale Price |
|---------------|-------------------------------------|------------|-----------------|
| 54-422-550-0 | Digi-Level PLUS | \$156.88 | \$133.00 |
| 54-422-550-BT | Digi-Level PLUS with smart wireless | \$177.30 | \$151.00 |

Prices & Specifications are subject to change without notice

Rules

EZ-Read Black Face Rules

- Hardened stainless steel
- White easy to read microfine graduations against a black non glare finish

Satin Chrome Rules

- Tempered steel
- Non glare
- Sharp easy to read microfine graduations

52-297-006-0



52-330-006-0



GRADUATIONS

4R: 8 hs 16 hs 32nds 64 hs**16R:** 32nds 64 hs 50 hs 100 hs

Rigid Steel Rules

| Order No. | Finish | Size | Reading | List Price | Sale Price |
|--------------|--------------|------|---------|------------|----------------|
| 52-330-006-0 | Satin Chrome | 6" | 4R | \$15 58 | \$14.00 |
| 52-337-006-0 | Black | 6" | 4R | \$12 39 | \$11.00 |
| 52-330-012-0 | Satin Chrome | 12" | 4R | \$26 60 | \$24.00 |
| 52-337-012-0 | Black | 12" | 4R | \$23 84 | \$22.00 |
| 52-350-006-0 | Satin Chrome | 6" | 16R | \$14 34 | \$13.00 |
| 52-338-006-0 | Black | 6" | 16R | \$15 23 | \$14.00 |
| 52-350-012-0 | Satin Chrome | 12" | 16R | \$32 70 | \$28.00 |

Flexible Steel Rules

| Order No. | Finish | Size | Reading | List Price | Sale Price |
|--------------|--------------|------|---------|------------|----------------|
| 52-295-006-0 | Satin Chrome | 6" | 4R | \$12 93 | \$12.00 |
| 52-297-006-0 | Black | 6" | 4R | \$12 77 | \$11.00 |
| 52-295-012-0 | Satin Chrome | 12" | 4R | \$26 84 | \$25.00 |
| 52-297-012-0 | Black | 12" | 4R | \$18 75 | \$17.00 |
| 52-308-006-0 | Black | 6" | 16R | \$12 41 | \$11.00 |
| 52-310-006-0 | Satin Chrome | 6" | 16R | \$13 35 | \$12.00 |
| 52-308-012-0 | Black | 12" | 16R | \$18 75 | \$17.00 |

Metal Etching Pen



A "must" for any tool room and machine shop for general marking purposes. Fowler's metal etching pen is used on copper, copper alloy, stainless steel, hardened steel tools and castings, etc. Use it to initial personal tools. Its low cost, disposable design offers limitless applications. Over all length is 6 1/4".

Order No. 52-730-005-0

Sale \$17.75

Lst Pr ce \$22.18

Carbide Super Scriber



- Lightweight
- Retractable carbide tip
- Knurled grip
- Machined aluminum body
- Pocket clip

| Order No. | Description | Overall Length | List Price | Sale Price |
|--------------|-----------------------|----------------|------------|----------------|
| 52-500-050-0 | Carbide Super Scriber | 6 5" | \$37 00 | \$34.00 |
| 52-500-055-0 | Carbide Refill | | \$11 76 | \$11.00 |

Combination Squares



Features:

- Blades are chrome plated fully hardened and tempered
- 4 piece includes square protractor and center heads with 12" blade
- 2 piece includes square head and 12" blade
- Square head has level and scriber point
- Double indexed protractor is graduated 180° in both directions
- Graduated in 8ths 16ths 32nds and 64ths

| Order No. | Description | List Price | Sale Price |
|--------------|-------------|------------|-----------------|
| 52-370-012-0 | 4 pc | \$263 46 | \$198.00 |
| 52-373-012-0 | 2 pc | \$169 55 | \$136.00 |

Cylindrical Squares

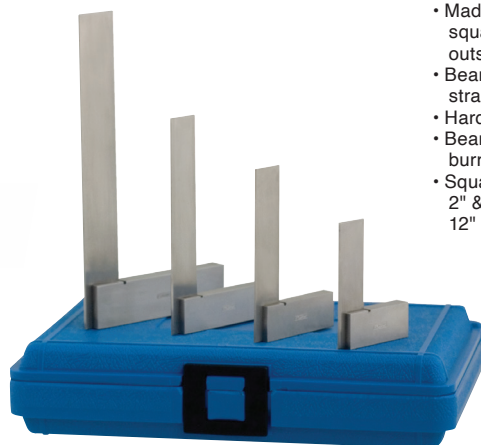


Features:

- Used for checking squares height gages and other instruments
- Hardened and the ends are lapped to 90° angular accuracy
- 6" cylindrical squares $\pm 0.0001"$
- 12" cylindrical square $\pm 0.00015"$

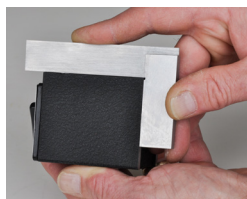
| Order No. | Description | List Price | Sale Price |
|--------------|-------------|------------|-----------------|
| 52-750-006-0 | 6" | \$256 44 | \$231.00 |
| 52-750-012-0 | 12" | \$366 22 | \$330.00 |

Steel Squares and Sets



Features:

- Made of carbon tool steel these economy squares have true right angles both inside and outside
- Beams and blades ground and lapped for straightness and parallelism
- Hardened blade
- Beam grooved at inner corner for clearance of burrs and dirt
- Squareness of blade edge to the working face
2" & 3" = $\pm 0.0006"$ 4" & 6" = $\pm 0.0008"$ 9" & 12" = $\pm 0.0012"$



| Order No. | Description/Size | List Price | Sale Price |
|--------------|--------------------------------------|------------|-----------------|
| 52-432-006-0 | 6" Square ONLY | \$33 36 | \$31.00 |
| 52-432-009-0 | 9" Square ONLY | \$67 12 | \$61.00 |
| Sets | | | |
| 52-432-246-0 | 4 piece Square Set, 2", 3", 4" & 6" | \$105 88 | \$96.00 |
| 52-432-469-0 | 4 piece Square Set, 4", 6", 9" & 12" | \$182 18 | \$164.00 |

X-BLOX® V-Block Set

2 each @:

- Dimensions 1 1/2" L x 1 1/4" W x 1 1/4" H
- Work capacity Approximately 1"

2 each @:

- Dimensions 2" L x 1 1/2" W x 1 1/2" H
- Work capacity 1 1/2"

All feature:

- Surfaces are square and parallel within 0 0005"
- V grooves are square and parallel with all surfaces within 0 0005"
- Corresponding dimensions for each pair are alike within 0 0005"



Order No. 52-475-500-0

Sale \$131.00

L st Pr ce \$144.98

V-Block Set



Features:

- Hardened steel All sides of V Blocks precision ground parallel and square within 0 0004"
- Height 2" Length 2 3/4" Width 2"
- Two clamps with screw hole at 90 degrees for positive clamping of work are included
- Clamping capacity= 2"/50m
- V Blocks are constructed with stepped grooves which allow the clamps to be inserted without protrusion thus allowing V Blocks to be used on base ends or sides
- Matched pair of V Blocks are perfectly aligned with 90 degree V grooves ground central and parallel to the sides and bases

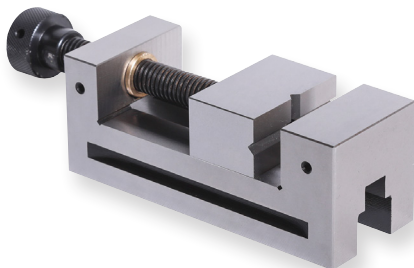
Order No. 52-475-555-0

Sale \$254.00

L st Pr ce \$317.46

Toolmaker's Vise

Toolmaker's Vise makes precision holding possible for inspection, precision jig boring, milling and grinding



Features:

- Maximum opening 2 48"
- Dimensions 6 1" x 1 9" x 2 0"
- Features solid base and front jaw construction
- Parallelism and squareness accuracy 0 0004"
- Clamping slots on the bottom of the base allow for easily affixing to angle plates vises etc

Order No. 52-466-000-1

Sale \$197.00

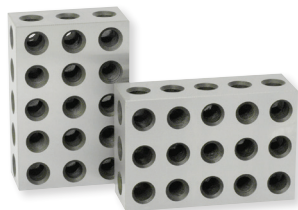
L st Pr ce \$245.07

1-2-3 & 2-4-6 Blocks

Useful in layout, inspection and grinding work

Features:

- 23 holes for easy clamping
- Sold in pairs
- Hardened 56 60 HRC
- Both styles include 5 threaded holes 3/8" 16



52-439-246-0

| Order No. | Description | Accuracy | List Price | Sale Price |
|--------------|--------------|------------|------------|-----------------|
| 52-439-031-0 | 1-2-3 Blocks | 0 0001"/1" | \$46 34 | \$38.00 |
| 52-439-032-0 | 1-2-3 Blocks | 0 0002"/1" | \$96 48 | \$80.00 |
| 52-439-246-0 | 2-4-6 Blocks | 0 0003"/1" | \$176 40 | \$142.00 |

Parallel Sets

2 thicknesses to choose from!

Features:

- 2 each of 1/2" 5/8" 3/4" 7/8" 1" 1 1/8" 1 1/4" 1 3/8" 1 1/2" & 1 5/8" heights
- Absolute heights are nominal
- Hardness 50 HRC 6" length
- 52 437 000 0 paired in height 0 001"
- 52 437 031 0 paired in height 0 0001"



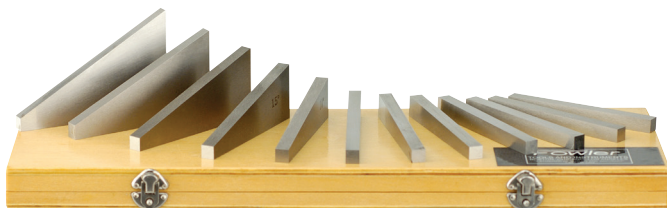
52-437-031-0



52-437-000-0

| Order No. | Description | Parallelism | List Price | Sale Price |
|--------------|--------------------|-------------|------------|-----------------|
| 52-437-000-0 | 1/8" Parallel Set | 0 0008" | \$270 99 | \$231.00 |
| 52-437-031-0 | 1/32" Parallel Set | 0 0001" | \$291 81 | \$249.00 |

Angle Blocks



Features:

- Each 12 block set includes 1 thru 5° blocks in 1° increments and 5° through 30° blocks in 5° increments as well as 1/4" & 1/2" blocks
- Accuracy ± 2.5 arc minutes
- Use of the Solid Angle Block simplifies the setting and checking of angles during tooling production or inspection. This fast accurate method eliminates time consuming calculations sine bar and any setup errors
- All blocks precision ground
- All blocks are 3" long and 1/4" thick

Order No. 53-666-000-0

Sale \$133.00

List Price \$165.61

Prices & Specifications are subject to change without notice

COAX-2D 2 Dimensional Coaxial Indicator Sets

Use the 2D Coaxial Set for accurate component centering and positioning in most machining applications. The dial remains stationary during the rotation of the machine spindle.

Features:

- Graduations and revolution counter 0.0005"/0.01mm
- 3 internal and 3 external feelers; ball dia. 1/8" (3mm)
- Includes center point feeler and staining arm
- Restraining arm
- Shank 3/8" dia. x 7/8" long (10mm x 20mm)
- Measuring range 0.250" (6mm) axis offset
- Speed recommended 800 RPM max
- Repeatability to within 0.0002" (0.005mm) of true center
- Capacity depending on feeler is 5/32" 12"/4 300mm internal diameter; 1 12"/0 300mm external diameter



52-710-025-0

| Order No. | Description | List Price | Sale Price |
|--------------|-------------------------|------------|-----------------|
| 52-710-025-0 | 2D Coaxial Set - inch | \$289.56 | \$232.00 |
| 52-710-030-0 | 2D Coaxial Set - Metric | \$279.67 | \$238.00 |

Electronic Edge Finders



Features:

- Six equally spaced light ports provide visibility at any angle
- Edge finder lights instantly when stylus touches work edge
- Repeatability 0.0002"
- Works on any conductive metal

Along with light indication, model #54-575-650-0 emits an audible "beep" at time of contact.

| Order No. | Stylus | Shank | Audible | List Price | Sale Price |
|--------------|--------|-------|---------|------------|-----------------|
| 54-575-600-0 | 0.200" | 1/2" | NO | \$45.42 | \$41.00 |
| 54-575-625-0 | 0.200" | 1/2" | NO | \$141.14 | \$128.00 |
| 54-575-650-0 | 0.400" | 3/4" | YES | \$163.10 | \$147.00 |

Quill Kit

Digital display for drill presses and milling machines

Features:

- P54 protected against fluid and dust
- Includes quill installation tool kit
- Range 0 - 6"/150mm
- Accuracy $\pm 0.001"/0.03mm$
- Resolution 0.0005"/0.01mm/1/64"
- Preset zero in/mm absolute/incremental on/off functions
- Stainless steel construction
- Interchangeable mounting brackets with hardware



Order No. 54-050-100-0

Sale \$162.00

List Price \$189.81



Z-CHECK 65 PLUS+

Z-Axis Tool Setter

Features:

- Supplied with zero reference setting block
- P65 protected against fluid and dust
- Back light turns on when zero reference is achieved
- 4 magnets embedded into base
- 2" default setting height
- Steel contact surface with 0.0002" flatness
- Resolution 0.00005"/0.001mm
- Repeatability 0.00015"/0.004mm
- Accuracy 0.0001"/0.003mm
- Includes a rugged aluminum fitted case



Order No. 54-188-200-0

Sale \$113.00

List Price \$125.06

HIGH Accuracy Z-Axis Detectors



54-188-140-0

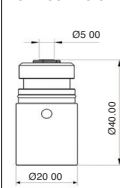
For use in CNC machines and other applications where high accuracy is required!



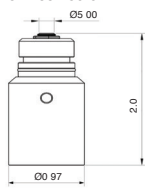
Features:

- P67 protected against fluid and dust
- High accuracy and repeatability $\pm 0.000039"/0.001mm$
- Carbide touch surface (0.196"/5mm)
- High precision bearing guide system for long life
- Interchangeable magnetic base
- High visibility LED indicator
- Movement stroke 0.078"/2mm
- Battery life approximately 250 hours (on time)

54-188-140-0



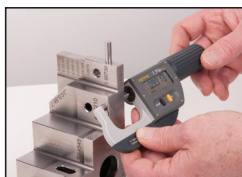
54-188-150-0



| Order No. | Model | Dimensions | List Price | Sale Price |
|--------------|--------|---|------------|-----------------|
| 54-188-150-0 | nch | Height 2 1/8" / 50.8mm, Dia. 0.97" / 24.638mm | \$268.63 | \$242.00 |
| 54-188-140-0 | Metric | Height 1.57" / 40mm, Dia. 0.78" / 20mm | \$307.43 | \$277.00 |

QUICK CHECK

Multi-Function Check Standard



Check

- ✓ Height Gages
- ✓ Micrometers
- ✓ Depth Gages
- ✓ Bore Gages
- ✓ Test & Dial Indicators
- ✓ Caliper Gages
- ✓ Protractors & more

Features:

- All sizes marked are actual
- Accuracy of indicated values $\pm 0.00012"$
- One compact multi function precise standard
- Can be used to check and verify a multitude of measuring instruments
- Supplied with a manufacturer's test certificate and fitted wood case

Order No. 53-813-015-0

Sale \$1,553.00

List Price \$1,827.00

SHOP-BLOX®

Rectangular Gage Block Sets



53-672-081-0

Features:

- Manufactured to meet Federal Specification ASME B89.1.9 2002 tolerances on length for inch gage blocks
- Certificate of Calibration traceable to NIST
- Tolerances to $\pm 0.00005"$
- In high quality fitted wood case

| Order No. | Description | List Price | Sale Price |
|--------------|-------------|------------|-----------------|
| 53-672-036-0 | 36 pc | \$358.63 | \$269.00 |
| 53-672-081-0 | 81 pc | \$613.39 | \$461.00 |

Grade 0 Rectangular Steel Gage Block Set



53-670-038-0

Features:

- Grade 0 36 piece
- Certificate of Calibration traceable to NIST
- Each block is individually serialized
- Sizes clearly marked on each block
- Complete with fitted wooden case

Order No. 53-670-038-0

Sale \$450.00

List \$529.13

Tool Set 300 Presetter

Used for the quick checking of heights and diameters (radii) of various types of machine tools. Accuracy is guaranteed by a precise steel measuring column and displacement devices in X and Z coordinates utilizing constant measuring force.

Tool Holding Spindle

Tool presetter is supplied with high precision tool pot (Grade 0)

- SO 50 taper
- Less than 0 00008"/0 002mm concentricity error

Features:

- Measuring range (X)11 8"/300mm (Z)15 7"/400mm
- Min/Max functions for T R readings
- 2 reference indications
- Preset and Tolerance value inputs
- Radius or diameter indication on X axis display
- Resolution 0 00005"/0 001mm
- Floating zero function anywhere within axis range
- Carbide measuring insert for durability
- Counter balanced measuring carriage
- Constant measuring force in both axes
- **High precision Swiss measuring system**



| Order No. | Description | List Price | Sale Price |
|--------------|--------------------------|-------------|-------------------|
| 54-188-300-0 | ool Presetter | \$10,800 87 | \$9,721.00 |
| 54-121-005-0 | SO 50/40 ool Pot Adapter | \$751 82 | \$715.00 |



Portable Roughness Tester II

Quick, easy roughness testing

The X Pro Portable Roughness Tester can be used for various applications by selecting from a variety of accessories including special application probes and a swivel stand

RS232 data output is available on additional models
(contact the Fowler technical department for more information 1 800 788 2353)



(X Pro shown with optional stand with swivel)



Features:

- Small compact size
- 2 selectable parameters Ra and Rz
- Large LCD display
- Meets SO and D N standards
- N ST traceable specimen included
- Uses 9 volt battery (approx 3000 measurements)
- includes fitted case

X-Pro Portable Roughness Tester II

| Order No. | Description | List Price | Sale Price |
|--------------|--|------------|-------------------|
| 54-410-500-0 | Portable Surface Roughness Tester 0 0004" probe (N S specifications) | \$2,039 35 | \$1,836.00 |
| 54-410-600-0 | Portable Surface Roughness Tester 0 0002" probe (D N specifications) | \$2,039 35 | \$1,836.00 |

X-Pro Portable Roughness Tester II Stand with Swivel

| Order No. | Description | List Price | Sale Price |
|--------------|------------------------------|------------|-----------------|
| 54-400-896-0 | Stand with Swivel Attachment | \$491 18 | \$443.00 |



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