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SAVE 15% ON ALL ITEMS

ELECTRONIC CALIPERS (STANDARD TYPE)

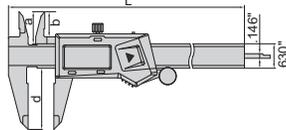


DATA OUTPUT



1108-150

- Resolution .0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable



Part No.	Range	Accuracy	L	a	b	d	List Price (\$)	Sale Price (\$)
1108-150*	0-6"/0-150mm	±.0010"	9.291"	.827"	.630"	1.575"	63.10	53.6
1108-200*	0-8"/0-200mm	±.0015"	11.260"	.945"	.748"	1.969"	93.30	79.3
1108-300*	0-12"/0-300mm	±.0015"	15.748"	.984"	.807"	2.362"	141.00	120

*Supplied with manufacturer inspection certificate traceable to NIST

ELECTRONIC WATERPROOF CALIPERS

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

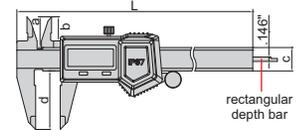
IP67 WATERPROOF

ATTENTION: NO DATA OUTPUT



1118-150B

- Accuracy ±.0015"
- IP67 dust/waterproof
- Resolution .0005"/0.01mm
- Button function: zero, on/off, inch/mm, ABS/REL, hold
- Battery CR2032
- Made of stainless steel



Part No.	Range	L	a	b	c	d	List Price (\$)	Sale Price (\$)
1118-150B*	0-6"/0-150mm	9.291"	.827"	.630"	.630"	1.575"	193.00	164.00
1118-200B*	0-8"/0-200mm	11.260"	.945"	.748"	.630"	1.969"	295.00	251.00
1118-300B*	0-12"/0-300mm	15.748"	.984"	.807"	.669"	2.362"	353.00	300.00

*Supplied with manufacturer inspection certificate traceable to NIST

DIAL CALIPERS

- Shockproof dial indicator
- Made of stainless steel



1311-6



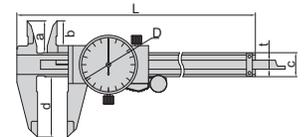
SHOCK PROOF



Dial indicator graduation .001"

Part No.	Range	Accuracy	L	a	b	c	d	D	t	List Price (\$)	Sale Price (\$)
1311-6*	0-6"	±.0015"	9.252"	.827"	.650"	.630"	1.575"	1.535" DIA	.256"	62.90	53.50
1311-8*	0-8"	±.0020"	11.339"	.945"	.748"	.630"	1.890"	1.535" DIA	.256"	83.50	71.00
1311-12*	0-12"	±.0020"	16.142"	1.102"	.866"	.787"	2.441"	1.752" DIA	.295"	147.00	125.00

*Supplied with manufacturer inspection certificate traceable to NIST



ELECTRONIC CALIPER WITH INTERCHANGEABLE POINTS PART NO. 1526-200

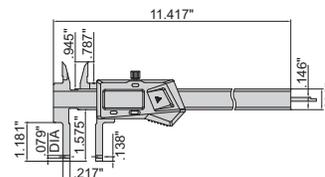


1526-200

DATA OUTPUT

- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution .0005"/0.01mm
- Buttons: on/off, set, inch/mm, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: points, depth stop, data output cable

depth stop 6143 (optional)



Part No.	List Price (\$)	Sale Price (\$)
1526-200	426.00	362.00

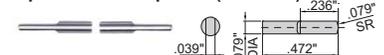
short spherical points (included)



long spherical/flat points (included)

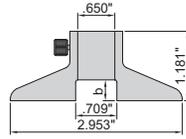


spherical blade points (included)



Point	Range	Accuracy	Application
short spherical points	.5-8.5"/12-212mm (internal)	±.0015"	for grooves inside small hole
long spherical/flat points	1-8.8"/24-224mm (internal) 0-7.5"/0-187mm (external)	±.0015"	spherical points for grooves inside hole flat points for external grooves
spherical blade points	1-8.8"/24-224mm (internal) 0-7.5"/0-187mm (external)	±.0015"	for narrow grooves inside hole

DEPTH BASE ATTACHMENT



- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

Part No.	Application	b	List Price (\$)	Sale Price (\$)
6140	suitable for calipers with beam width (w) .630"	.354"	23.60	20.10

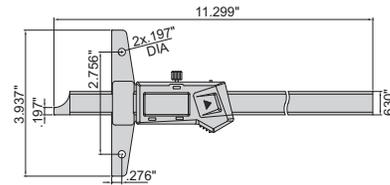
ELECTRONIC DEPTH GAGE WITH MOUNTING HOLES FOR EXTENSION BASE

DATA OUTPUT

- Resolution .0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable, extension base



1147-200



Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
1147-200	0-8"/0-200mm	±.0015"	180.00	153.00

ELECTRONIC HEIGHT GAGE WITH DRIVING WHEEL

DATA OUTPUT

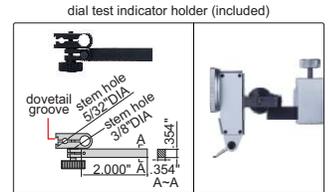
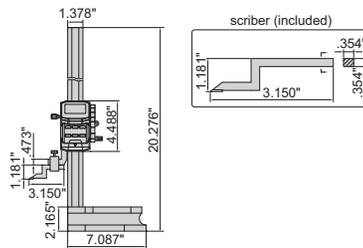
INSPECTION CERTIFICATE TRACEABLE TO NIST

- Resolution .0005"/0.01mm
- Buttons: on/off, zero, inch/mm, preset (+, -), hold
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- Supplied with dust cover
- With dial test indicator holder
- Optional accessory: data output cable, clamp for protractors (part no. 2372-CLAMP)

clamp for protractors (optional)



1156-300



Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
1156-300*	0-12"/0-300mm	±.0015"	615.00	523.00

*Supplied with manufacturer inspection certificate traceable to NIST

OUTSIDE MICROMETERS

- Graduation .0001"
- Carbide measuring faces
- Ratchet stop type
- Supplied with setting standards (except 0-1")

INSPECTION CERTIFICATE TRACEABLE TO NIST

INSIZE ISO17025 CERTIFICATE AVAILABLE AT EXTRA CHARGE (REFER TO BACK COVER)

Individual

Part No.	Range	Accuracy	L	a	b	List Price (\$)	Sale Price (\$)
3203-1A*	0-1"	.00015"	1.260"	.354"	1.102"	40.40	34.30
3203-2A*	1-2"	.00015"	2.244"	.551"	1.496"	45.10	38.30
3203-3A*	2-3"	.00020"	3.228"	.591"	1.929"	50.20	42.70
3203-4A*	3-4"	.00020"	4.213"	.591"	2.362"	56.50	48.00



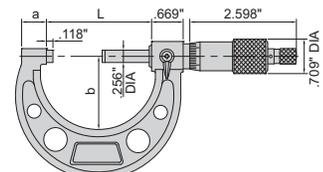
3203-2A



3203-44A

Set

Part No.	Range	Micrometers included	Packaging	List Price (\$)	Sale Price (\$)
3203-33A*	0-3"	3203-1A, 3203-2A, 3203-3A	blow mould case	119.00	101.00
3203-44A*	0-4"	3203-1A, 3203-2A, 3203-3A, 3203-4A	blow mould case	175.00	149.00
3203-66A*	0-6"	3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A	blow mould case	309.00	263.00



*Supplied with manufacturer inspection certificate traceable to NIST

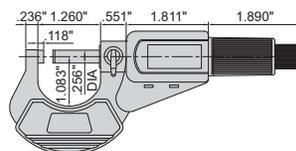
ELECTRONIC OUTSIDE MICROMETER (BASIC TYPE, WITHOUT DATA OUTPUT)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

ATTENTION:
NO DATA OUTPUT

spherical anvil is included

without data output on the back



- Resolution .00005"/0.001mm
- Button functions: on/off, set, inch/mm, ABS/INC
- No data output, friction thimble
- LR44 battery, automatic power off
- Carbide measuring faces
- Supplied with spherical anvil

3109-25E

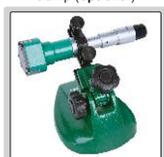
Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
3109-25E*	0-1"/0-25mm	±.00010"	116.00	98.60

*Supplied with manufacturer inspection certificate traceable to NIST

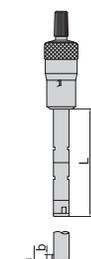
THREE POINTS INTERNAL MICROMETERS

INSPECTION CERTIFICATE

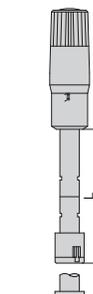
micrometer stand with clamp (optional)



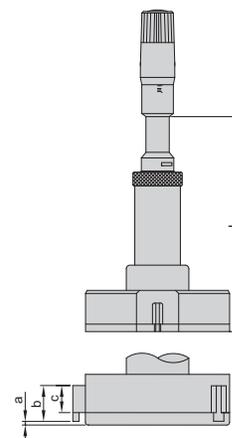
3227-E035



3227-E065



3227-E4



Type C
2-4", carbide measuring points three points

- .275-.5": graduation .0001"
- .5-4": graduation .0002"
- Ratchet stop
- Optional accessory: micrometer stand and clamp (part no. 6301 and 6301-2)

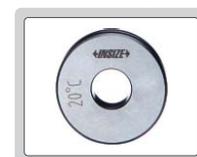
Type A
.275-.5", steel measuring points three points

Type B
.5-2", carbide measuring points three points

Individual

Part No.	Range	Type	Accuracy	Setting ring (included)	Extension rod (included)	L	a	b	c	List Price (\$)	Sale Price (\$)
3227-E035*	.275-.35"	A	.00015"	.275" DIA	4"	2.146"	.059"	.098"	—	497.00	422.00
3227-E0425*	.35-.425"	A	.00015"	.35" DIA	4"	2.146"	.059"	.098"	—	497.00	422.00
3227-E05*	.425-.5"	A	.00015"	.5" DIA	4"	2.146"	.059"	.098"	—	497.00	422.00
3227-E065*	.5-.65"	B	.00015"	.65" DIA	6"	3.150"	.020"	.236"	.177"	376.00	320.00
3227-E08*	.65-.8"	B	.00015"	.65" DIA	6"	3.150"	.020"	.236"	.177"	376.00	320.00
3227-E1*	.8-1"	B	.00015"	1" DIA	6"	3.543"	.020"	.315"	.236"	527.00	448.00
3227-E112*	1-1.2"	B	.00015"	1" DIA	6"	3.543"	.020"	.315"	.236"	527.00	448.00
3227-E16*	1.2-1.6"	B	.00015"	1.6" DIA	6"	3.819"	.020"	.551"	.472"	568.00	483.00
3227-E2*	1.6-2"	B	.00020"	1.6" DIA	6"	3.819"	.020"	.551"	.472"	659.00	560.00
3227-E25*	2-2.5"	C	.00020"	2.5" DIA	6"	4.488"	.020"	.689"	.571"	715.00	608.00
3227-E3*	2.5-3"	C	.00020"	2.5" DIA	6"	4.488"	.020"	.689"	.571"	766.00	651.00
3227-E35*	3-3.5"	C	.00020"	3.5" DIA	6"	4.488"	.020"	.689"	.571"	801.00	681.00
3227-E4*	3.5-4"	C	.00020"	3.5" DIA	6"	4.488"	.020"	.689"	.571"	833.00	708.00

setting rings are included



extension rods are included



Set

Part No.	Range	Micrometers included	Setting ring (included)	Extension rod (included)	List Price (\$)	Sale Price (\$)
3227-E053*	.275-.5"	.275-.35", .35-.425", .425-.5"	.275" DIA, .35" DIA, .5" DIA	4"	1389.00	1181.00
3227-E082*	.5-.8"	.5-.65", .65-.8"	.65" DIA	6"	699.00	594.00
3227-E24*	.8-2"	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA, 1.6" DIA	6"	1995.00	1696.00
3227-E44*	2-4"	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA, 3.5" DIA	6"	2660.00	2261.00



3227-E24

*Supplied with manufacturer inspection certificate

BORE GAGE SETS

ATTENTION: NOT SUITABLE FOR .00005" OR .0001" DIAL INDICATORS

packaging (part no. 2824-S3E)



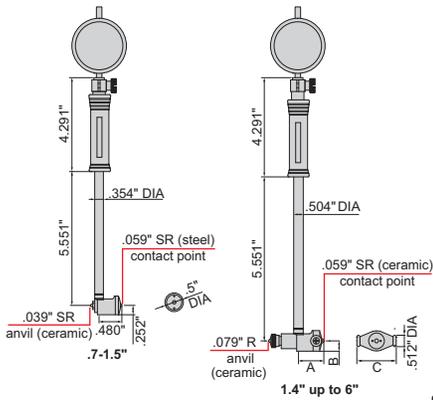
- Repeatability .00015"
- Dial indicator: range .25", graduation .0005"
- Optional accessory: setting ring (part no. 6313), long handle (part no. 7351), bore gage setter

Part No.	Range	Bore gages included	Accuracy	List Price (\$)	Sale Price (\$)
2824-S2E	1.4-6"	① 1.4-2" (dial indicator and handle are not included) ② 2-6"	1.4-2" ±.0009" 2-6" ±.0009"	231.00	196.00
2824-S3E	.7-6"	① .7-1.5" ② 1.4-2.4" (dial indicator is not included) ③ 2-6" (dial indicator is not included)	.7-1.5" ±.00075" 1.4-2.4" ±.0009" 2-6" ±.0009"	526.00	447.00



BORE GAGES

ATTENTION: NOT SUITABLE FOR .00005" OR .0001" DIAL INDICATORS

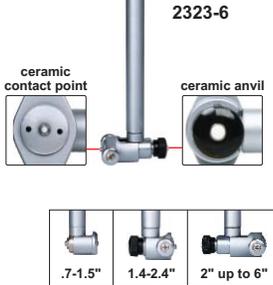


- Optional accessory: setting ring (part no. 6313), long handle (part no. 7351), bore gage setter

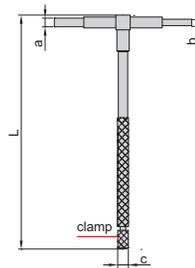
Range	A	B	C
1.4-2.4"	.866"	.354"	1.063"
2-6"	1.024"	.354"	1.378"

With dial indicator

Part No.	Range	Indicator	Accuracy	Repeatability	List Price (\$)	Sale Price (\$)
2323-15	.7-1.5"	dial indicator	±.00075"	.00015"	210.00	179.00
2323-24	1.4-2.4"	range .25" graduation	±.0009"	.00015"	192.00	163.00
2323-6	2-6"	.0005"	±.0009"	.00015"	202.00	172.00

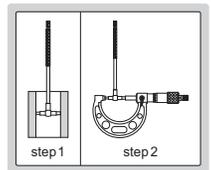


TELESCOPING GAGE SET



- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

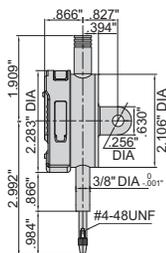
Range	L	a	b	c
5/16~1/2"	4.528"	.154" DIA	.114" DIA	.244" DIA
1/2~3/4"	4.528"	.209" DIA	.150" DIA	.244" DIA
3/4~1-1/4"	4.528"	.209" DIA	.150" DIA	.244" DIA
1-1/4~2-1/8"	5.394"	.299" DIA	.240" DIA	.283" DIA
2-1/8~3-1/2"	5.394"	.299" DIA	.240" DIA	.283" DIA
3-1/2~6"	5.394"	.299" DIA	.240" DIA	.283" DIA



Part No.	Total range	Gages included	List Price (\$)	Sale Price (\$)
4206-1	5/16~6"	5/16~1/2", 1/2~3/4", 3/4~1-1/4", 1-1/4~2-1/8", 2-1/8~3-1/2", 3-1/2~6"	47.20	40.10

ELECTRONIC INDICATOR (STANDARD TYPE)

- Meet ASME B89.1.10M-2001
- Accuracy ±.0015", hysteresis .0005"
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, automatic power off
- Data output, lug back
- Optional accessory: data output cable, backs, contact points



2112-10E

spindle lift knob is included



DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO NIST

Part No.	Range	Resolution	List Price (\$)	Sale Price (\$)
2112-10E*	.5"/12.7mm	.0005"/0.01mm	138.00	117.00

*Supplied with manufacturer inspection certificate traceable to NIST

DIAL INDICATOR

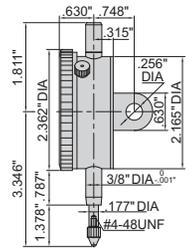


2307-1

- Graduation .001"
- Meet ASME B89.1.10M-2001
- Lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Part No.	Range	Accuracy		Range /rev	Dial reading	List Price (\$)	Sale Price (\$)
		First 2.5 rev	Overall				
2307-1*	1"	±.001"	±.002"	.1"	0-100	37.40	31.80

*Supplied with manufacturer inspection certificate traceable to NIST



DIAL TEST INDICATORS



2380-31

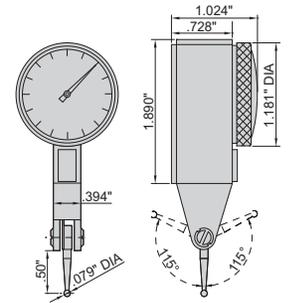
- Dial reading: 0-15-0
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: 5/32" DIA and 3/8" DIA
- Optional accessory: styli

clamps are included



Part No.	Range	Graduation	Accuracy	List Price (\$)	Sale Price (\$)
2380-31*	.03"	.001"	±.001"	80.30	68.30
2380-35*	.03"	.0005"	±.0005"	100.00	85.00

*Supplied with manufacturer inspection certificate traceable to NIST

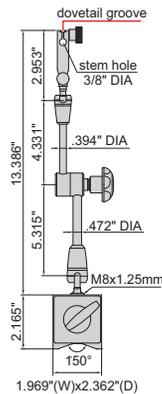


UNIVERSAL MAGNETIC STAND



6210-80E

- For digital/dial indicators and dial test indicator
- With fine adjustment and dovetail groove

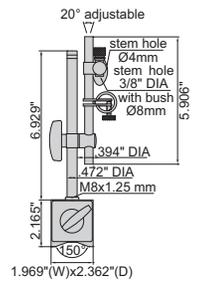


MAGNETIC STAND



6201-60

- Applicable holding stem: 3/8" DIA, Ø8mm, Ø4mm
- For electronic/dial indicators and dial test indicators



Part No.	Magnetic force	Applicable holding stem	List Price (\$)	Sale Price (\$)
6210-80E	176lbf	3/8" DIA	167.00	142.00

Part No.	Magnetic force	Remark	List Price (\$)	Sale Price (\$)
6201-60	132lbf	with fine adjustment	30.50	25.90

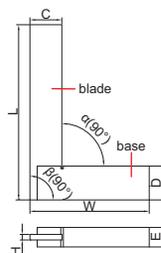
MACHINIST SQUARES WITH WIDE BASE (ECONOMIC TYPE)

ATTENTION: NO ANTI-RUST TREATMENT, NOT HARDEND

ATTENTION: LOW ACCURACY



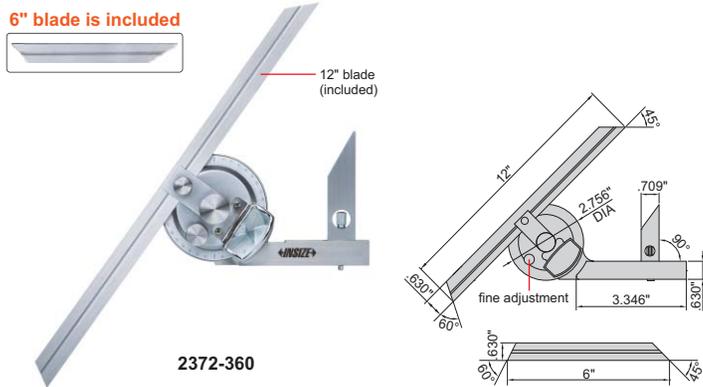
4707-100



- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardened

Part No.	Size (LxW)	Squareness		C	D	H	E	List Price (\$)	Sale Price (\$)
		Inside (α)	Outside (β)						
4707-100	3.9x2.8"	1.10mil	1.18mil	.748"	.748"	.118"	.472"	22.40	19.00
4707-150	6x4"	1.30mil	1.38mil	.984"	.984"	.118"	.630"	31.60	26.90
4707-200	8x5"	1.46mil	1.58mil	1.181"	1.260"	.157"	.630"	55.10	46.80
4707-300	12x8"	1.85mil	1.97mil	1.260"	1.260"	.157"	.748"	82.60	70.20

UNIVERSAL PROTRACTOR



- Graduation 5', accuracy $\pm 5'$
- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (part no. 2372-CLAMP), suitable for height gages 1156, 1351 and 1250



Part No.	Range	List Price (\$)	Sale Price (\$)
2372-360	0-360°	115.00	97.80

3-PIECE MEASURING TOOL SET

- Includes:
 - 1) Electronic caliper, range 0-6"/0-150mm, resolution .0005"/0.01mm (part no. 1108-150)
 - 2) Outside micrometer, range 0-1", graduation .0001" (part no. 3202-1)
 - 3) Steel rule, 6"/150mm (part no. 7110-150)



5003-1E

Part No.	List Price (\$)	Sale Price (\$)
5003-1E	109.00	92.70

3-PIECE MEASURING TOOL SET

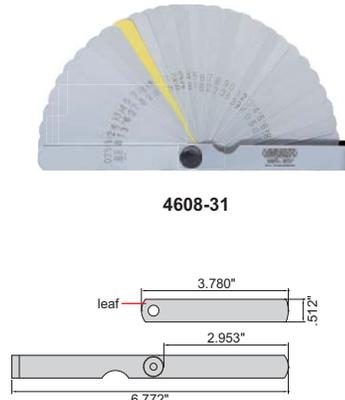
- Includes:
 - 1) Dial caliper, range 0-6", graduation .001" (part no. 1311-6)
 - 2) Outside micrometer, range 0-1", graduation .0001" (part no. 3202-1)
 - 3) Steel rule, 6"/150mm (part no. 7110-150)



5003-1

Part No.	List Price (\$)	Sale Price (\$)
5003-1	116.00	98.60

FEELER GAGE



- .010" is made of brass, others are made of hardened alloy steel
- Each blade is marked with inch/metric size

Thickness of leaves included	Accuracy
.010" (brass)	$\pm 0.0039"$
.0015", .002"	$\pm 0.002"$
.0025", .003", .004", .005", .006", .007"	$\pm 0.0028"$
.008", .009"	$\pm 0.0035"$
.010", .011"	$\pm 0.0039"$
.012", .013"	$\pm 0.0047"$
.014", .015"	$\pm 0.0051"$
.016", .017"	$\pm 0.0055"$
.018", .019"	$\pm 0.0059"$
.020", .021"	$\pm 0.0067"$
.022", .023"	$\pm 0.0071"$
.024", .025", .026"	$\pm 0.0075"$
.028"	$\pm 0.0091"$
.030"	$\pm 0.0094"$
.032", .035"	$\pm 0.0102"$

Part No.	Range	Quantity of Leaves	List Price (\$)	Sale Price (\$)
4608-31	.0015"~.035"	32	10.90	9.27

2-PIECE MEASURING TOOL SET

- Includes:
 - 1) Electronic caliper, range 0-6"/0-150mm, resolution .0005"/0.01mm (part no. 1108-150)
 - 2) Electronic outside micrometer, range 0-1"/0-25mm, resolution .00005"/0.001mm (part no. 3109-25A)

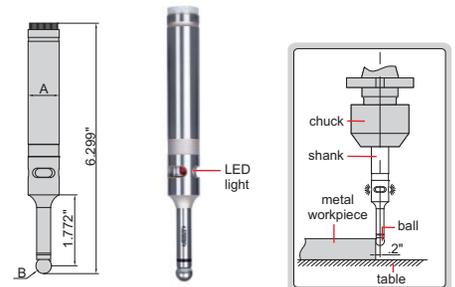


5022

Part No.	List Price (\$)	Sale Price (\$)
5022	197.00	167.00

ELECTRONIC EDGE FINDER

- Accuracy .0002"
- The shank is electrically conducted to the metal workpiece through the chuck and table, when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball



6566-2E

Part No.	Shank (A)	Contact ball (B)	Battery	List Price (\$)	Sale Price (\$)
6566-2E	3/4" DIA	.4" DIA	23AE, 12Vx1 pc	138.00	117.00

MANUAL ROCKWELL HARDNESS TESTER PART NO. ISH-R150



STANDARD DELIVERY

Main unit	1 pc
2.36" DIA flat anvil	1 pc
5.91" DIA flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
1/16" DIA carbide ball indenter	1 pc
Hardness test block HRB88-95	1 pc
Hardness test block HRC60-65	1 pc
Hardness test block HRC20-30	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block HRB88-95	ISH-BHRB
Hardness test block HRC60-65	ISH-BHRC3
Hardness test block HRC20-30	ISH-BHRC1
Small V-type anvil	ISH-SMALLANVIL



2.36" DIA flat anvil (included)



5.91" DIA flat anvil (included)



V-type anvil (included) for cylinders with diameter .16-2.36 DIA



small V-type anvil (optional) for cylinders with diameter .08-.16 DIA

SPECIFICATION

List Price (\$)	3060.00
Sale Price (\$)	2601.00
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N/10kgf
Test force	588N/60kgf, 980N/100kgf, 1471N/150kgf
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	6.69"
Max. workpiece depth	6.50" (from the center of indenter)
Dimension	20.47×6.30×27.56"
Weight	132lb

VISION MEASURING SYSTEMS



SPECIFICATION

Part No.	ISD-V150A	ISD-V250A	ISD-V300A
List Price (\$)	12900.00	13250.00	15500.00
Sale Price (\$)	10965.00	11263.00	13175.00
Measuring range (X×Y×Z)	6×4×8"	10×6×8"	12×8×8"
Stage size	13.94×8.98"	17.72×11.02"	19.69×12.99"
Glass stage size	8.27×6.30"	12.05×7.72"	13.78×9.84"
Resolution of X/Y/Z axis	.00002"		
Accuracy of X/Y axis	≤(137.8+10L)µin (L is the measuring length in inch)		
Repeatability of X/Y axis	.00008"		
Objective	0.7X-4.5X (zoom)		
Working distance	3.62"		
Magnification	33X-195X (on 19" monitor)		
Camera	1/3" color CCD, 0.3M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	6.30"		
Max. weight of workpiece	44lb		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L×W×H)	22.05×21.26×33.46"	29.92×23.62×35.43"	29.92×23.62×35.43"
Weight	220lb	264lb	308lb



ISD-V250A computer is included

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Foot switch	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	Part No. ISD-V-OB05X Working distance: 6.89" Magnification: 16.5-97.5X (on 19" monitor)
2X auxiliary objective	Part No. ISD-V-OB2X Working distance: 1.42" Magnification: 66-390X (on 19" monitor)
Probe	Part No. ISD-V-PROBE includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball



probe (optional), includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball, measuring accuracy is .0004"



software CD (included)



lens with coaxial light (optional, must be installed in factory)

CNC VISION MEASURING SYSTEMS



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement



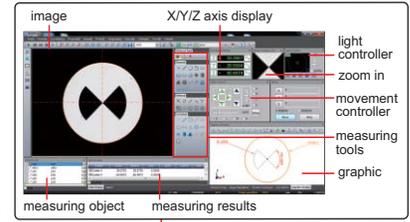
probe (optional), includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball, measuring accuracy is .0004"



lens with coaxial light (included)



programmable segmented ring light (included)



SPECIFICATION

Part No.	ISD-V220CNCA-U**	ISD-V270CNCA-U**	ISD-V370CNCA-U**
List Price (\$)	30750.00	33250.00	40900.00
Sale Price (\$)	26138.00	28263.00	34765.00
Measuring range (X×Y×Z)	8.66×4.72×5.90"	10.63×6.69×5.90"	14.57×10.63×5.90"
Stage size	17.72×11.02"	19.69×12.99"	23.86×18.35"
Glass stage size	12.05×7.72"	13.78×9.84"	17.72×13.78"
Resolution of X/Y/Z axis	.00002"		
Accuracy of X/Y axis	≤(98.4+10L)µin (L is the measuring length in inch)		
Repeatability of X/Y axis	.00008"		
Objective	0.7X~4.5X (zoom)		
Working distance	3.62"		
Magnification	20X~128X (on 19.5" monitor)		
Camera	1/2" color CCD, 0.4M pixel		
Illumination	surface	coaxial light, programmable segmented ring light	
	contour	adjustable LED	
View field (diagonal length)	.07~.44"		
Max. height of workpiece	6.30"		
Max. weight of workpiece	66lb		
Operation system	Windows 7/8/10		
Drive method	Automatic		
Power supply	110V, 50/60Hz**		
Dimension (L×W×H)	29.92×23.62×35.43"	29.92×23.62×35.43"	38.19×26.38×37.01"
Weight	322lb	370lb	586lb

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Controller	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc



software CD (included)

OPTIONAL ACCESSORY

0.5X auxiliary objective	Part No. ISD-V-OB05X Working distance: 6.89" Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Part No. ISD-V-OB2X Working distance: 1.42" Magnification: 66~390X (on 19.5" monitor)
Probe	Part No. ISD-V-PROBE includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball

ROUGHNESS TESTER
PART NO. ISR-C003



calibration block (included)

- Unit: µm, µin
- Automatic power off



STANDARD DELIVERY

Main unit	1 pc
Calibration block	1 pc
AC/DC adapter	1 pc

SPECIFICATION

List Price (\$)	1787.00	
Sale Price (\$)	1519.00	
Parameters	Ra, Rz, Rq, Rt	
Range	Ra, Rq: 2~590µin Rz, Rt: 4~1968µin	
Accuracy	±10%	
Resolution (Ra)	0.01µin	
Probe	type	piezoelectric
	stylus radius/angle	393µin/90°
	stylus material	diamond
Measuring force	.012ozf	
Measuring unit	µin/µm	
Cut off	.01/.03/.1"	
Evaluation length	.05" for cut off .01"	
	.15" for cut off .03"	
	.2" for cut off .1"	
Traverse speed	.03"/s	
Power	built-in rechargeable battery	
Dimension (L×W×H)	4.17×2.75×.94"	
Weight	.44lb	

ROUGHNESS TESTER (SEPARABLE TYPE) PART NO. ISR-C300

DATA
OUTPUT

BLUETOOTH

TOUCH
SCREEN

CAN BE OPERATED BY
COMPUTER OR MOBILE PHONE

- Roughness tester can be operated by mobile phones (only android system) or computers
- Data can be sent to Excel by connecting with computers via bluetooth or USB cable
- Support bluetooth printer
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Touch screen
- Automatic power off



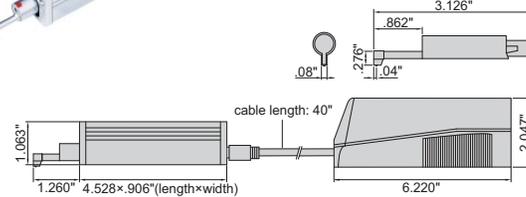
software CD
(included)



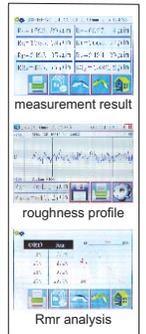
bluetooth printer (optional)



probe and main unit can be combined together



roughness tester
screen display



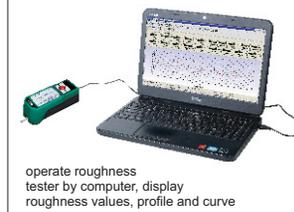
magnetic stand adapter (included)



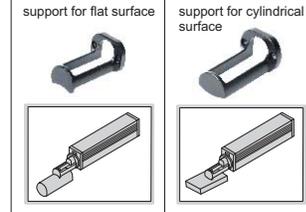
connect mobile phone via bluetooth
(only android system)



connect computer via USB cable
(software is included)



probe support (optional)



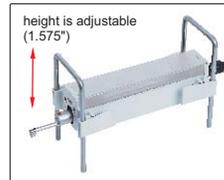
height gage adapter (optional)



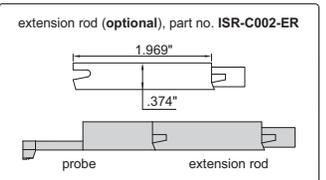
data can be output to Excel by
connecting computer via bluetooth or USB cable



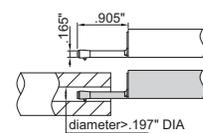
adjustable stand (included)



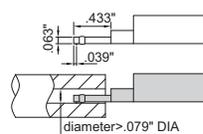
optional probes



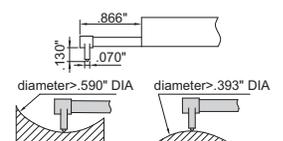
small hole probe (optional),
part no. ISR-C002-PROBE



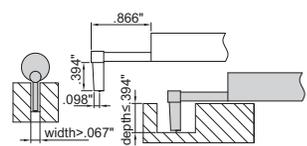
tiny hole probe (optional), part no. ISR-C002-SBP



curved surface probe (optional),
part no. ISR-C002-SUR



deep groove probe (optional),
part no. ISR-C002-DGP



SPECIFICATION

List Price (\$)	2428.00	
Sale Price (\$)	2064.00	
Parameters	Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax	
Range	X axis	.689"
	Z axis	12598µin(-6299µin~6299µin)
Accuracy	±10%	
Resolution (Ra)	0.01µin	
Probe	type	inductive
	stylus radius/angle	196µin/90°
	stylus material	diamond
Measuring force	.01ozf	
Measuring unit	µm/µin	
Cut off	.01/.03/.1"	
Number of cut-offs	1 to 5	
Traverse speed	.005"/s, .02"/s, .04"/s	
Memory	100 measurement results	
Output	USB and bluetooth	
Power	built-in rechargeable battery	
Dimension (L×W×H)	6.22×2.52×2.05"	
Weight	.89lb	

STANDARD DELIVERY

Main unit	1pc
Standard probe	1pc
Calibration block and support	1pc of each
Connecting cable (long and short)	1pc of each
Magnetic stand adapter	1pc
Adjustable stand	1pc
Touch pen	1pc
USB cable and software	1pc
AC/DC adapter	1pc

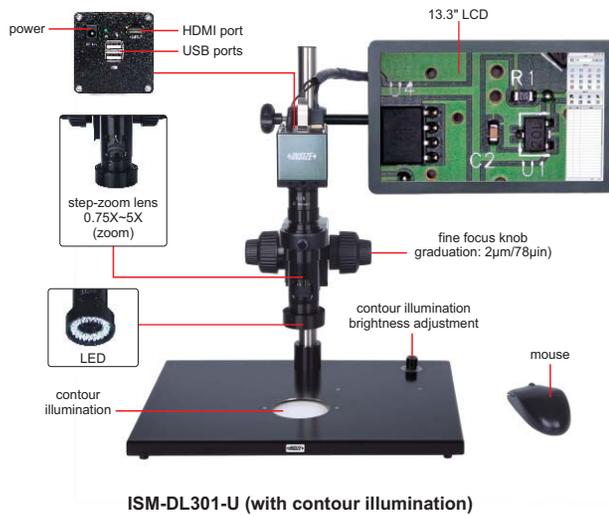
STANDARD DELIVERY

Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Curved surface probe	ISR-C002-SUR
Bluetooth printer	ISR-C002-PRINTER
Height gage adapter	ISR-C300-LB1
Bluetooth receiver	ISR-C300-RECEIVER
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2

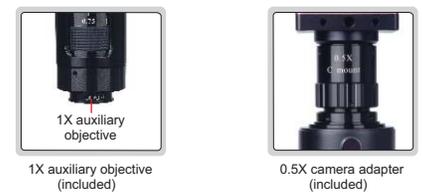
DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

ATTENTION: PLEASE MAKE CONFOCAL ADJUSTMENT AFTER CHANGING CAMERA ADAPTERS OR AUXILIARY OBJECTIVES

TAKE PICTURES **MEASUREMENT** **BUILT-IN SOFTWARE WITHOUT COMPUTER**



- 1080P high-definition image
- Built-in software without computer, operation by mouse
- Take pictures, saved to USB flash disk
- Measurement results can be sent to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable



SPECIFICATION

Part No.	ISM-DL301-U** (with contour illumination)
List Price (\$)	3467.00
Sale Price (\$)	2947.00
Magnification	15X~100X
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920x1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter and 110V, 50/60Hz**
Dimension (LxWxH)	22.44x11.81x16.93"
Weight	14.44lb

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

X-Y glass stage (travel: 2.91x2.36")	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE1
LED light	see details
Auxiliary objective	see details

Part No.	List Price (\$)	Sale Price (\$)
ISM-DL-STAGE	229.00	195.00

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	2.76±.08"	2.76±.08"
	View filed	.63x.43"~.1x.06"	.31x.21"~.05x.03"
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	1.14±.08"	1.14±.08"
	View filed	.31x.21"~.05x.03"	.15x.11"~.024x.016"

MEASURING ACCURACY

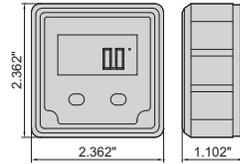
Objective magnification	Image magnification	Measuring accuracy
0.75X	15X	±.00031"
1X	20X	±.00028"
1.5X	30X	±.00024"
2X	40X	±.00024"
2.5X	50X	±.00024"
3X	60X	±.00020"
3.5X	70X	±.00020"
4X	80X	±.00016"
4.5X	90X	±.00016"
5X	100X	±.00016"

ELECTRONIC LEVEL AND SLOPE METER

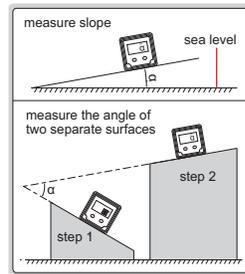
- DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP
- WORKING TEMPERATURE: 23°F~122°F
- MAGNETIC BOTTOM
- ABSOLUTE LEVEL
- BACKLIGHT



2170-1



- Used as level and slope meter
- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 seconds after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery, automatic power off in 5 minutes



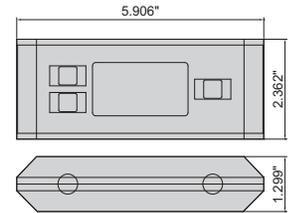
Part No.	Range	Resolution	Accuracy	List Price (\$)	Sale Price (\$)
2170-1	4x90°	0.1° (=.021in/ft)	at 0° and 90°: ±0.1°; others: ±0.2°	101.00	85.90

ELECTRONIC LEVEL AND SLOPE METER

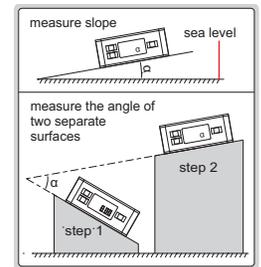
- WORKING TEMPERATURE: 23°F~122°F
- BUZZER ALARM AT 0° AND 90°
- IP54 WATERPROOF
- BACKLIGHT
- ABSOLUTE LEVEL



2179-360



- IP54 dust/waterproof
- Used as level and slope meter
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (in/ft, %, mm/m), conversion, backlight
- Two AAA batteries, automatic power off



Part No.	Range	Resolution	Accuracy	List Price (\$)	Sale Price (\$)
2179-360	0-360° (90°x4)	0.05° (=.00625in/ft)	at 0° and 90°: ±0.1°; others: ±0.2°	172.00	146.00

DIGITAL MEASURING MICROSCOPE PART NO. ISM-PM200SA



software CD (included)



ISM-PM200SA
computer is optional



- Can take pictures and videos
- Supplied with software

SPECIFICATION

List Price (\$)	411.00
Sale Price (\$)	349.00
Magnification	10X~200X
Focus distance	short focus distance
Stand	standard
Focus support	included
Calibration rule	graduation 0.1mm/.004" and 1mm/.039" (included)
Pixel	2M (resolution: 1600x1200)
Illumination	built-in adjustable LED
Power supply	USB 2.0 cable (voltage required: 5±0.1V)

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE



MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	.83"	.32x.25"	1.2mil
100X	.51"	.15x.12"	0.6mil
150X	.63"	.10x.08"	0.4mil
200X	.75"	.07x.06"	0.3mil

**WiFi DIGITAL MEASURING MICROSCOPE
PART NO. ISM-WF200**

SPECIFICATION

List Price (\$)	411.00
Sale Price (\$)	349.00
Magnification	10X~200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

STANDARD DELIVERY

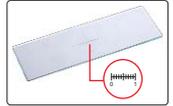
Microscope	1 pc
Base support	1 pc
Focus support ring for 80X/150X	1 pc
Focus support ring for 60X/200X	1 pc
Glass calibration rule (graduation 0.1mm/.004")	1 pc
Plastic calibration rule (graduation 1mm/.039")	1 pc
USB cable and software	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Stand	ISM-WSTD
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE



plastic calibration rule (included, graduation 1mm/.039")



glass calibration rule (included, graduation 0.1mm/.004")



optional stand (Part No. ISM-WSTD, optional)

- Maximum working distance is 200" under WiFi mode
- Can be connected to multiple iPads, Android devices or computers at the same time under WiFi mode
- Take pictures and videos
- Supplied with software

Part No.	List Price (\$)	Sale Price (\$)
ISM-WSTD	139.00	118.00

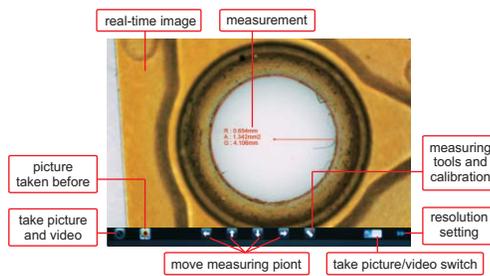
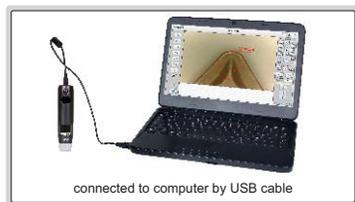
MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	.83"	.32x.25"	1.2mil
100X	.51"	.15x.12"	0.6mil
150X	.63"	.10x.08"	0.4mil
200X	.75"	.07x.06"	0.3mil

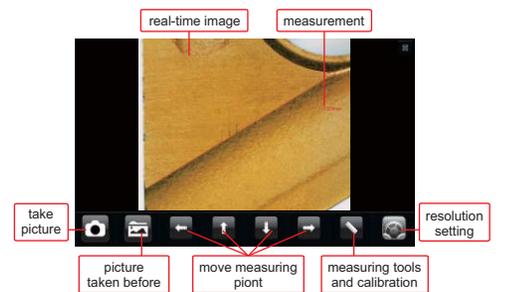


software CD (included)

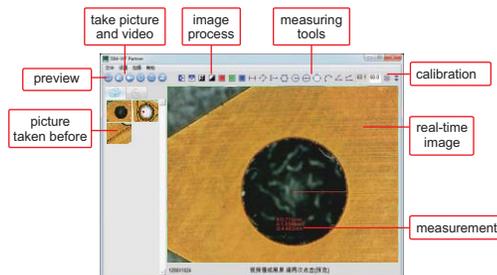
1 Software ISM-PAD (for iPad by WiFi)



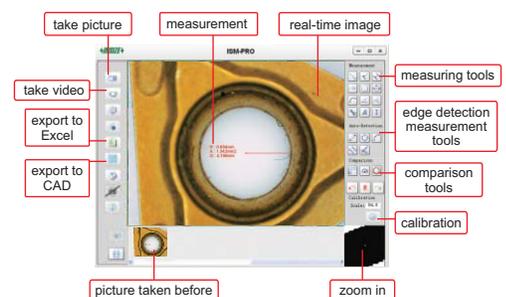
2 Software ISM-APK (for Android devices by WiFi)



3 Software ISM-WF Partner (for computer by WiFi)



4 Software ISM-PRO (for computer by USB cable)



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