

SAVE 15% ON ALL ITEMS

ELECTRONIC CALIPER (STANDARD MODEL)

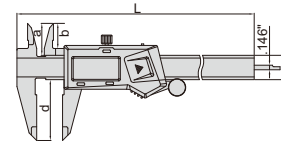
- ▶ Resolution: .0005"/0.01mm
- ▶ Buttons: on/off, zero, inch/mm
- ▶ Automatic power off, move the digital unit to turn on power
- ▶ Battery CR2032, data output, made of stainless steel
- ▶ Optional accessory: data output cable

Part No.	Range	Accuracy	L	a	b	c	d	List Price (\$)	Sale Price (\$)
1108-150*	0-6"/0-150mm	±.0008"	9.291"	.827"	.630"	.630"	1.575"	54.10	46.00
1108-200*	0-8"/0-200mm	±.0012"	11.260"	.945"	.748"	.630"	1.969"	80.00	68.00
1108-300*	0-12"/0-300mm	±.0012"	15.748"	.984"	.807"	.630"	2.362"	119.90	102.00

*Supplied with manufacturer inspection certificate traceable to NIST USA



1108-150

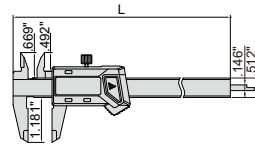


MINI ELECTRONIC CALIPER

ATTENTION:
NO DATA OUTPUT



1111-100A



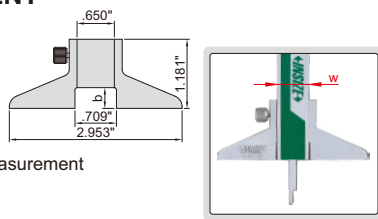
- ▶ Resolution: .0005"/0.01mm
- ▶ Buttons: zero, inch/mm, on/off
- ▶ Automatic power off, move the digital unit to turn on power
- ▶ Battery LR44
- ▶ Made of stainless steel

Part No.	Range	Accuracy	L	List Price (\$)	Sale Price (\$)
1111-100A	0-4"/0-100mm	±.0008"	6.693"	56.50	48.00

DEPTH BASE ATTACHMENT



6140



- ▶ To increase the stability of depth measurement
- ▶ Suitable for calipers
- ▶ Made of stainless steel

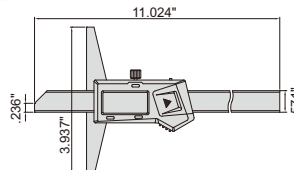
Part No.	Application	b	List Price (\$)	Sale Price (\$)
6140	suitable for calipers with beam width (w) .630"	.354"	20.50	17.40

ELECTRONIC DEPTH GAGE (STANDARD MODEL)

DATA OUTPUT



1141-200A



- ▶ 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

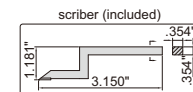
Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
1141-200A	0-8"/0-200mm	±.0012"	105.50	90.10

ELECTRONIC HEIGHT GAGE WITH DRIVING WHEEL

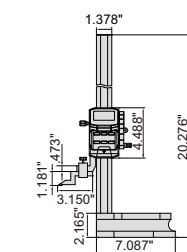
DATA OUTPUT



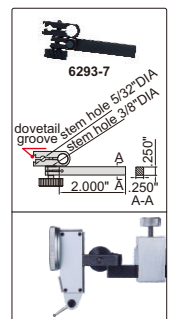
1156-300



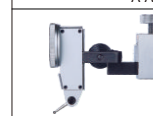
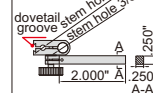
scriber (included)



dial test indicator holder (optional)



6293-7



- ▶ Resolution: .0005"/0.01mm
- ▶ Buttons: on/off, zero, inch/mm, preset +, preset -, hold
- ▶ Automatic power off, move the digital unit to turn on power
- ▶ Carbide tipped scribe
- ▶ Made of stainless steel
- ▶ Battery CR2032
- ▶ Data output
- ▶ Supplied with dust cover
- ▶ Optional accessory: data output cable, dial test indicator holder (part no. 6293-7), clamp for protractors (part no. 2372-CLAMP)

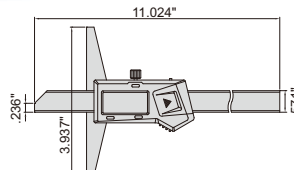
Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
1156-300	0-12"/0-300mm	±.0012"	532.00	452.00

ELECTRONIC DEPTH GAGE (STANDARD MODEL)

DATA OUTPUT



1141-200A



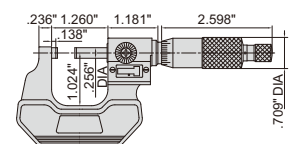
- ▶ Resolution: .0005"/0.01mm
- ▶ Buttons: on/off, zero, inch/mm
- ▶ Automatic power off, move the digital unit to turn on power
- ▶ Battery CR2032
- ▶ Data output
- ▶ Made of stainless steel
- ▶ Optional accessory: data output cable

Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
1141-200A	0-8"/0-200mm	±.0012"	105.50	90.10

OUTSIDE MICROMETER WITH COUNTER



3400-1



- ▶ Counter resolution: .001"
- ▶ Thimble graduation: .0001"
- ▶ Carbide measuring faces, ratchet stop

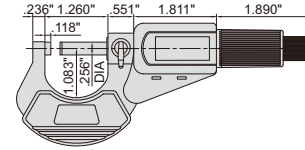
Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
3400-1*	0-1"	.00016"	57.20	48.60

*Supplied with manufacturer inspection certificate traceable to NIST USA

ELECTRONIC OUTSIDE MICROMETER

- ▶ 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

ATTENTION:
NO DATA OUTPUT



spherical anvil is included



Part No.	Range	Accuracy	List Price (\$)	Sale Price (\$)
3109-25E*	0-1"/0-25mm	±.00010"	99.90	84.90

*Supplied with manufacturer inspection certificate traceable to NIST USA

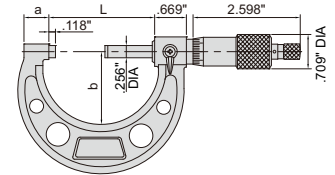
3109-25E

OUTSIDE MICROMETER

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



3203-66A



3203-2A

Set

Part No.	Range	Micrometers included	List Price (\$)	Sale Price (\$)
3203-33A*	0-3"	3203-1A, 3203-2A, 3203-3A	101.80	86.70
3203-44A*	0-4"	3203-1A, 3203-2A, 3203-3A, 3203-4A	149.50	128.00
3203-66A	0-6"	3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A	263.70	224.00

*Supplied with manufacturer inspection certificate traceable to NIST USA

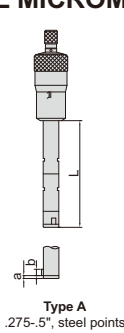
Individual

Part No.	Range	Accuracy	L	a	b	List Price (\$)	Sale Price (\$)
3203-1A*	0-1"	.00016"	1.260"	.354"	1.102"	34.70	29.50
3203-2A*	1-2"	.00016"	2.244"	.551"	1.496"	38.70	32.90
3203-3A*	2-3"	.00020"	3.228"	.591"	1.929"	43.10	36.60
3203-4A*	3-4"	.00020"	4.213"	.591"	2.362"	48.70	41.40

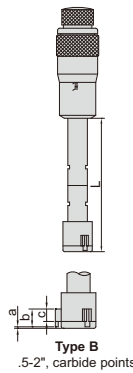
THREE POINTS INTERNAL MICROMETER



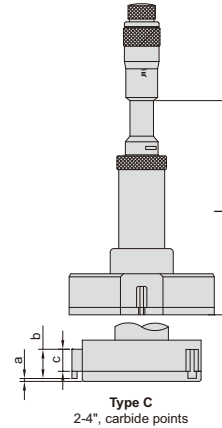
- ▶ .275-.5": graduation .0001"
- ▶ .5-4": graduation .0002"
- ▶ Ratchet stop
- ▶ Optional accessory: setting rings (part no. 6313)



3227-E035



3227-E065



3227-E4

Individual

Part No.	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	List Price (\$)	Sale Price (\$)
3227-E035*	.275-.35"	A	.00016"	.275" DIA (included)	4"	2.146"	.059"	.098"	—	431.10	366.00
3227-E0425	.35-.425"	A	.00016"	.35" DIA (included)	4"	2.146"	.059"	.098"	—	431.10	366.00
3227-E05*	.425-.5"	A	.00016"	.5" DIA (included)	4"	2.146"	.059"	.098"	—	431.10	366.00
3227-E065*	.5-.65"	B	.00016"	.65" DIA (included)	6"	3.150"	.020"	.236"	.177"	325.80	277.00
3227-E08*	.65-.8"	B	.00016"	.65" DIA (included)	6"	3.150"	.020"	.236"	.177"	325.80	277.00
3227-E1*	.8-1"	B	.00016"	1" DIA (included)	6"	3.543"	.020"	.315"	.236"	457.70	389.00
3227-E112*	1-1.2"	B	.00016"	1" DIA (included)	6"	3.543"	.020"	.315"	.236"	457.70	389.00
3227-E16*	1.2-1.6"	B	.00016"	1.6" DIA (included)	6"	3.819"	.020"	.551"	.472"	492.50	419.00
3227-E2*	1.6-2"	B	.00020"	1.6" DIA (included)	6"	3.819"	.020"	.551"	.472"	571.90	486.00
3227-E25*	2-2.5"	C	.00020"	2.5" DIA (included)	6"	4.488"	.020"	.689"	.571"	619.90	527.00
3227-E3*	2.5-3"	C	.00020"	2.5" DIA (included)	6"	4.488"	.020"	.689"	.571"	664.80	565.00
3227-E35*	3-3.5"	C	.00020"	3.5" DIA (included)	6"	4.488"	.020"	.689"	.571"	694.80	591.00
3227-E4*	3.5-4"	C	.00020"	3.5" DIA (included)	6"	4.488"	.020"	.689"	.571"	722.50	615.00

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"	1205.00	1025.00
3227-E082*	.5-.8"	.5-.65", .65-.8"	.65"DIA	6"	606.10	515.00
3227-E24*	.8-2"	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1"DIA, 1.6"DIA	6"	1730.00	1471.00
3227-E44*	2-4"	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA, 3.5" DIA	6"	2307.00	1961.00

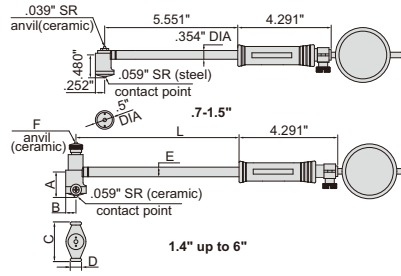
*Supplied with manufacturer inspection certificate



3227-E4

BORE GAGE

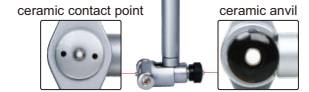
ATTENTION: NOT SUITABLE FOR .00005" OR .0001" DIAL INDICATORS



Range	A	B	C	D	E	F	L
1.4-2.4"	.480"	.252"	1.063"	.512" DIA	.504" DIA	.079" R	5.551"
2-6"	1.024"	.354"	1.378"	.512" DIA	.504" DIA	.079" R	5.551"

► Optional accessory: setting ring, long handle (part no. 7351)

Part No.	Range	Indicator	Accuracy	Repeatability	List Price (\$)	Sale Price (\$)
2323-15	.7-1.5"	dial indicator, range .25", graduation .0005"	±.00075"	.00015"	183.30	156.00
2323-24	1.4-2.4"	dial indicator, range .25", graduation .0005"	±.0009"	.00015"	165.80	141.00
2323-6	2-6"	dial indicator, range .25", graduation .0005"	±.0009"	.00015"	174.70	149.00



BORE GAGE SET

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

► Optional accessory: setting ring (part no. 6313)

Part No.	Range	Indicator	Bore gages included	Accuracy	Repeatability	List Price (\$)	Sale Price (\$)
2824-S3E	.7-6"	dial indicator, range .25", graduation .0005"	.7-1.5" 1.4-2.4" 2-6"	.7-1.5" ±.00075" 1.4-2.4" ±.0009" 2-6" ±.0009"	.00015"	457.00	388.00

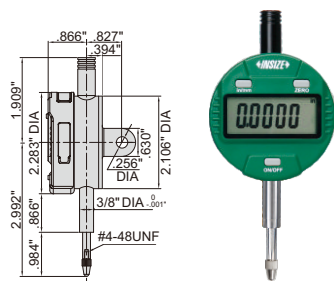


ELECTRONIC INDICATOR (STANDARD MODEL)

DATA OUTPUT



spindle lift knob is included



2112-10E

- Meet ASME B89.1.10M-2001
- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Lug back
- Optional accessory: data output cable, backs, contact points

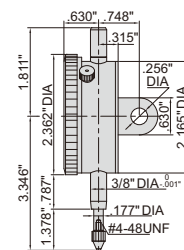
Resolution .0005"/0.01mm

Part No.	Range	Accuracy	Hysteresis	List Price (\$)	Sale Price (\$)
2112-10E*	.5"/12.7mm	±.0015"	.0005"	122.20	104.00

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	32.10	27.30

*Supplied with manufacturer inspection certificate traceable to NIST USA

LARGE RANGE DIAL TEST INDICATOR

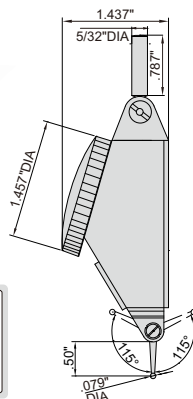


JEWELLED BEARING



2386-006A

clamps are included



- 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

Part No.	Range	Graduation	Accuracy	Dial reading	List Price (\$)	Sale Price (\$)
2386-006A*	.06"	.0005"	±.0008"	0-15-0	148.00	126.00

*Supplied with manufacturer inspection certificate traceable to NIST USA

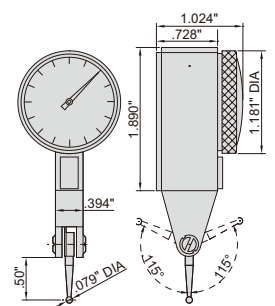
DIAL TEST INDICATOR



JEWELLED BEARING



2380-31



clamps are included



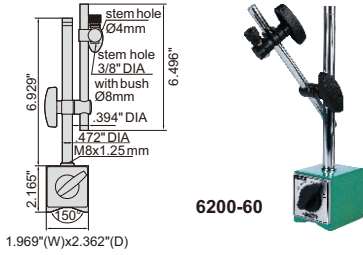
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: 5/32" DIA and 3/8" DIA
- Optional accessory: styli

Part No.	Graduation	Range	Accuracy	Dial reading	List Price (\$)	Sale Price (\$)
2380-31*	.001"	.03"	±.001"	0-15-0	68.60	58.30
2380-35*	.0005"	.03"	±.0005"	0-15-0	86.20	73.30

*Supplied with manufacturer inspection certificate traceable to NIST USA

MAGNETIC STAND

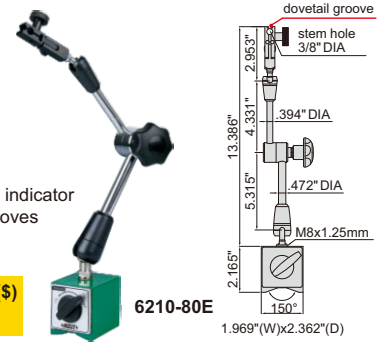
- ▶ For electronic/dial indicators and dial test indicators
- ▶ Without fine adjustment



Part No.	Magnetic force	Applicable holding stem	List Price (\$)	Sale Price (\$)
6200-60	132lbf	3/8" DIA, Ø8mm, Ø4mm	28.30	24.10

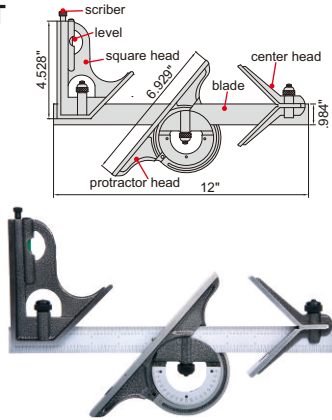
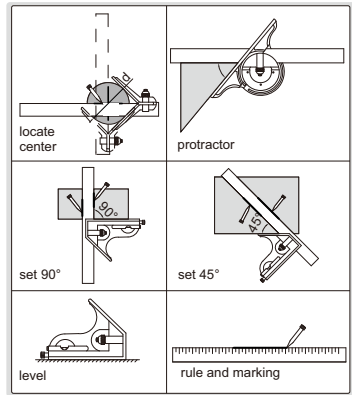
UNIVERSAL MAGNETIC STAND (HEAVY DUTY)

- ▶ Magnetic force: 176lbf
- ▶ Applicable holding stem: 3/8" DIA
- ▶ For digital/dial indicators and dial test indicator
- ▶ With fine adjustment and dovetail grooves



Part No.	List Price (\$)	Sale Price (\$)
6210-80E	144.60	123.00

COMBINATION SQUARE SET

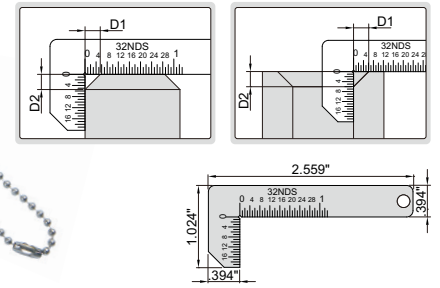


- ▶ Center head: To locate center of cylinder with diameter (d): 1.181" DIA-3.937" DIA Accuracy: ±.006"
- ▶ Protractor head: To set the blade at desired angle to an edge of a workpiece, and can be used to measure angles Range: 0-180°, accuracy: ±7min.
- ▶ Square head: To set the blade at 90° or 45° to an edge of a workpiece Accuracy: ±8min for 90° square, ±10min for 45° square
- ▶ Optional accessory: rigid rule (part no. 7113)

Part No.	Blade range	Blade graduation	List Price (\$)	Sale Price (\$)
2278-180E	12"	1/8" and 1/16" on front face, 1/32" and 1/64" on back face	141.20	120.00

CHAMFER GAGE

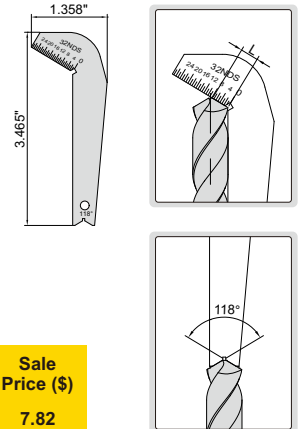
- ▶ To measure internal and external chamfers
- ▶ Made of stainless steel



Part No.	Graduation	Accuracy	List Price (\$)	Sale Price (\$)
4844-1E	1/32"	±.01"	9.40	7.99

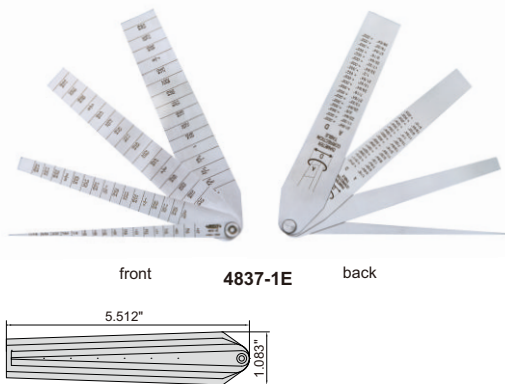
DRILL POINT GAGE

- ▶ For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- ▶ Made of stainless steel

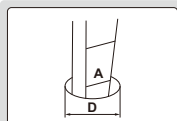


Part No.	Accuracy		List Price (\$)	Sale Price (\$)
	Angle	Length		
4843-1E	±0.5°	±.02"	9.20	7.82

TAPER GAGE SET

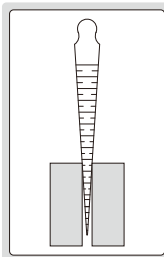


measure diameter of hole



When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 1/16", diameter D is 1/16" + .014".

measure slot width

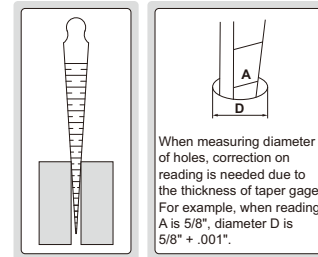


- ▶ Include 4pcs (1/16 – 5/16", 21/64 – 9/16", 37/64 – 13/16", 53/64 – 1-1/16")
- ▶ Measure opening, slot width, hole diameter, etc.
- ▶ Diameter correction table on the back
- ▶ Made of stainless steel

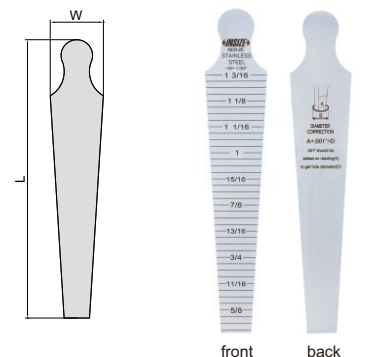
Part No.	Range	Graduation	Accuracy	List Price (\$)	Sale Price (\$)
4837-1E	1/16 – 1-1/16"	1/64"	±.004"	55.50	47.20

TAPER GAGE

measure slot width measure diameter of hole



- ▶ Graduation: 1/64"
- ▶ Measure opening, slot width, hole diameter, etc.
- ▶ Diameter correction table on the back (except 4833-4E)
- ▶ Made of stainless steel

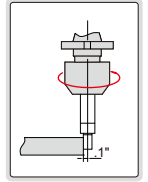
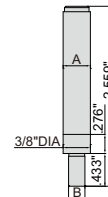


Part No.	Range	Accuracy	L	W	List Price (\$)	Sale Price (\$)
4833-1E	1/32 – 5/8"	±.004"	5.748"	.669"	15.10	12.80
4833-2E	5/8 – 1-3/16"	±.004"	6.260"	1.197"	15.80	13.40
4833-3E	1-3/16 – 1-3/4"	±.004"	6.535"	1.787"	20.20	17.20
4833-4E	1-3/4 – 2-3/8"	±.004"	6.693"	2.382"	24.70	21.00

EDGE FINDER

- ▶ Hardened shank and contact point

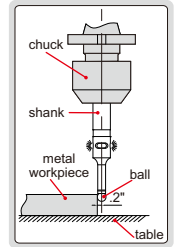
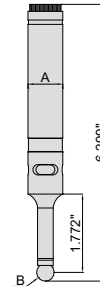
Part No.	Shank (A)	Contact point (B)	Accuracy	List Price (\$)	Sale Price (\$)
6567-1E	3/8" DIA	.2" DIA	.0003"	34.70	29.50



ELECTRONIC EDGE FINDER

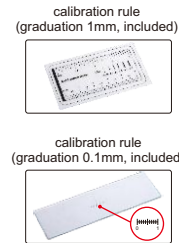
- ▶ Battery: 23AE, 12Vx1pc
- ▶ The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds (only for 6566-3E), when the ball touches the workpiece
- ▶ Not suitable for rotary use
- ▶ Hardened shank and contact ball

Part No.	Shank (A)	Contact ball (B)	Accuracy	Beeper	List Price (\$)	Sale Price (\$)
6566-3E	3/4" DIA	.4" DIA	.0002"	with	153.70	131.00



WiFi DIGITAL MEASURING MICROSCOPE PART NO. ISM-WF200

- ▶ 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



SPECIFICATION

List Price (\$)	368.20
Sale Price (\$)	313.00
Magnification	10X ~ 200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

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

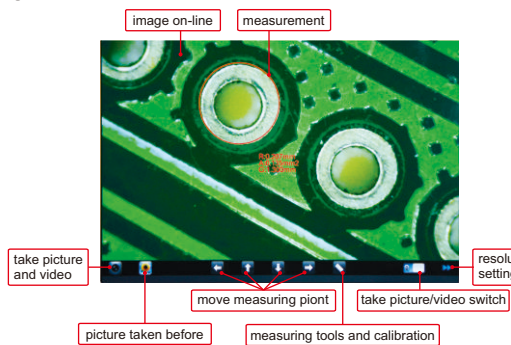
STANDARD DELIVERY

Microscope	1pc
Base support	1pc
Focus support ring for 80X/150X	1pc
Focus support ring for 60X/200X	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc
USB cable and software	1pc
AC/DC adapter	1pc

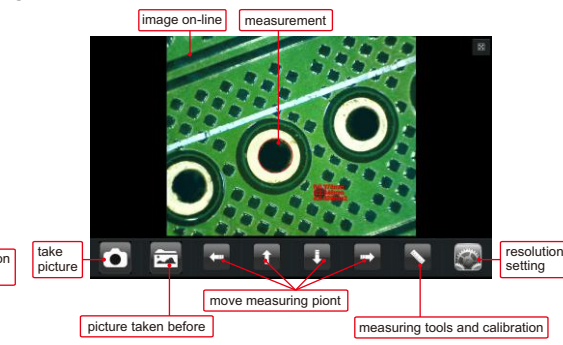
OPTIONAL ACCESSORY

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

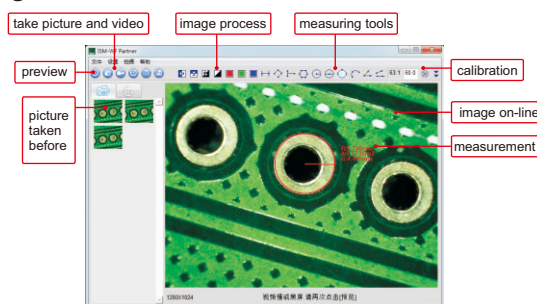
1 Software ISM-PAD (for iPad by WiFi)



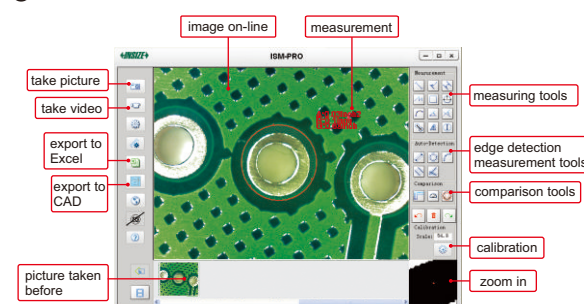
2 Software ISM-APK (for Android devices by WiFi)



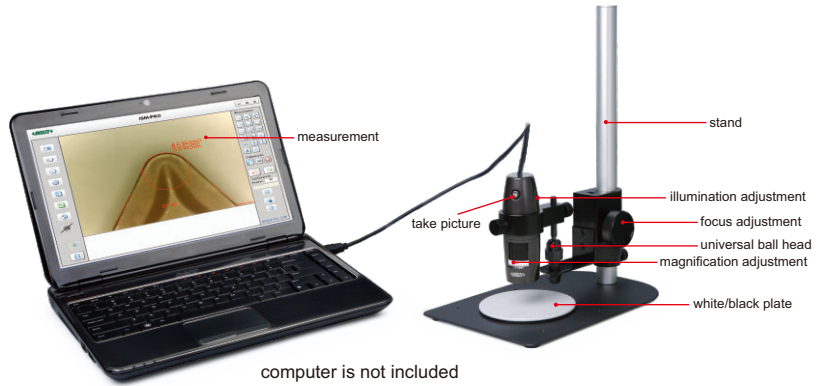
3 Software ISM-WF Partner (for computer by WiFi)



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



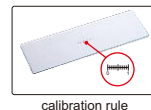
DIGITAL MEASURING MICROSCOPE PART NO. ISM-PM200SB



- ▶ Can take pictures and videos
- ▶ Supplied with software

SPECIFICATION

List Price (\$)	401.70
Sale Price (\$)	342.00
Magnification	10X ~ 200X
Type	short focus distance
Focus support	included
Calibration rule	graduation 0.1 and 1mm
Pixel	2M (resolution: 1600x1200)
Illumination	built-in adjustable LED
Power supply	USB 2.0 cable (voltage required: 5±0.1V)



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

OPTIONAL ACCESSORY

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

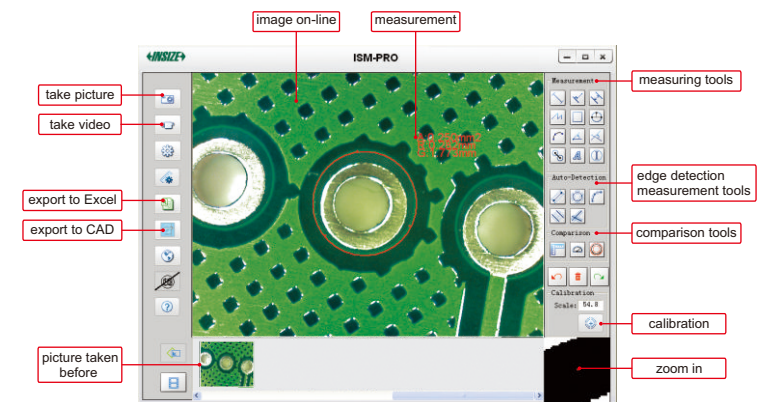


- ▶ **Language:** English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- ▶ **Operation system:** Windows 7/8/XP/Vista
- ▶ **Measuring tools:**

- measure length of line or distance between two points
- measure distance between point and line
- measure distance between two parallel lines
- measure length of continuous line
- measure area of rectangle
- measure radius, girth and area of circle
- measure radius, length and angle of arc
- measure distance between two circles
- measure angle with three points
- measure angle with two lines
- add text
- add number with circle

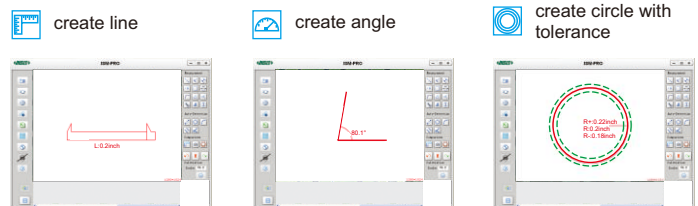
▶ Edge detection measurement tools:

- detect line automatically, and calculate length
- detect arc automatically, and calculate radius, angle and arc length
- detect two lines automatically, and calculate angle
- detect circle automatically, and calculate radius, girth and area
- detect two parallel lines automatically, and calculate distance



▶ Comparison tools:

Create line, angle or circle with desired size, to compare with workpieces.



■ Data export to CAD or Excel:

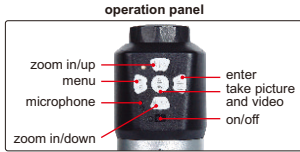


DIGITAL MEASURING MICROSCOPE
PART NO. ISM-DM40

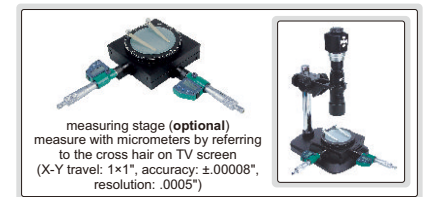
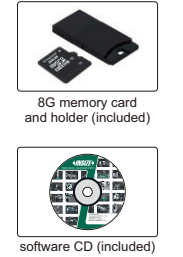
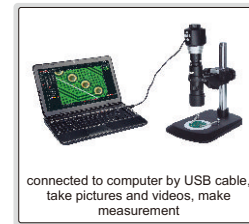
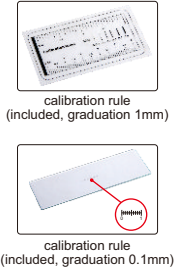
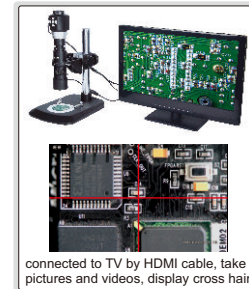
TAKE PICTURES AND VIDEOS

MEASUREMENT (ON COMPUTER)

FOCUS DISTANCE OF CAMERA IS ADJUSTABLE



- ▶ Connected to TV and computer
- ▶ Take pictures and videos, saved to memory card
- ▶ Measurement on computer with accuracy $\pm 0.0004''$
- ▶ Large working distance because focus distance of camera is adjustable
- ▶ Automatic white balance and exposure, white-black display mode
- ▶ Automatic power off



SPECIFICATION

List Price (\$)	1188.00	
Sale Price (\$)	1010.00	
Magnification	15X~205X (on 19" monitor)	
Pixel	3.5M	
Sensor	1/3" CMOS	
Resolution	HDMI output picture	1920×1080, 1280×720, 640×480
	video	2304×1536, 2304×1296, 1920×1080, 1280×720, 800×480
Output	USB/HDMI	
Power supply	5V (>500mA)	
Dimension (L×W×H)	10.75×8.07×12.2"	
Weight	7.78lb	

STANDARD DELIVERY

Main unit	1pc
8G memory card and holder	1pc
HDMI cable (for TV)	1pc
USB cable and software (for computer)	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc

OPTIONAL ACCESSORY

Measuring stage	ISM-DM40-STAGE
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LENS SCALE, MAGNIFICATION AND FOCUS DISTANCE

Lens scale	Magnification (on 19" monitor)	Focus distance
0.7X	15~40X	.94~9.92"
1X	30~50X	1.06~6.1"
2X	70~80X	3.19~4.61"
3X	110~120X	3.7~4.37"
4X	140~160X	3.97~4.33"
5X	180~205	4.05~4.29"

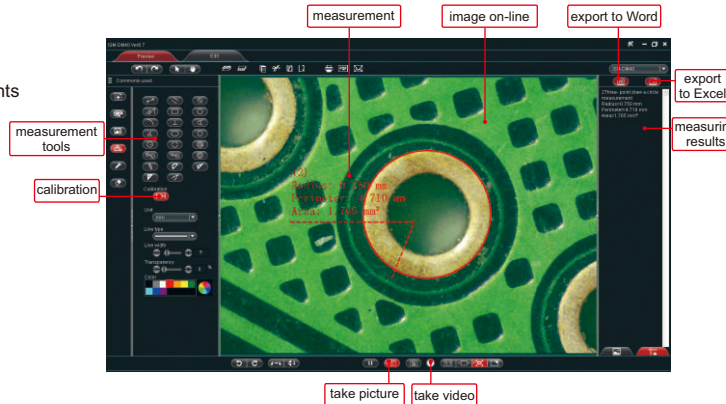
MAGNIFICATION, VIEW FIELD AND FOCUS DISTANCE

Magnification (on 19" monitor)	View filed	Focus distance
15X	1.1×.63"	9.92"
30X	.53×.32"	6.1"
50X	.31×.19"	4.88"
100X	.16×.09"	4.33"
150X	.11×.06"	4.25"
200X	.08×.05"	4.13"

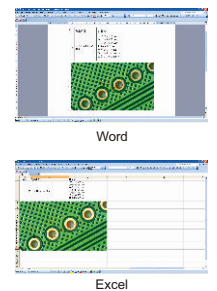
- ▶ **Language:** Chinese, English, Japanese, German, French
- ▶ **Operation system:** Windows XP/7/8/10

Measurement tools:

- ▶ measure length of line or distance between two points
- ▶ measure length of continuous line
- ▶ measure radius, length and angle of arc
- ▶ measure angle with three points
- ▶ measure distance between two circles
- ▶ measure distance between two parallel lines
- ▶ measure length, width, girth and area of rectangle
- ▶ measure distance between point and line
- ▶ measure axis lengths, girth and area of ellipse
- ▶ measure center distance between parallel lines
- ▶ measure circumference and area of polygon
- ▶ measure angle with two lines
- ▶ measure radius, girth and area of circle

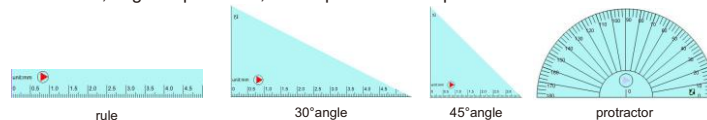


Data export to Word or Excel:



Comparison tools:

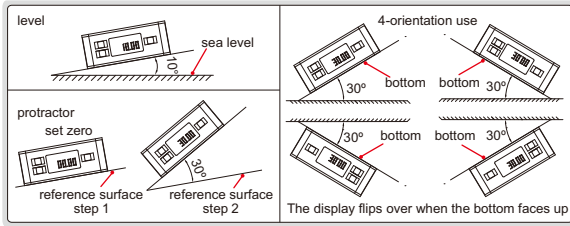
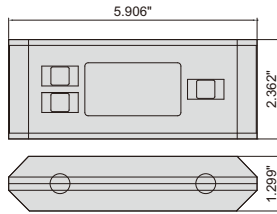
Create rule, angle or protractor, to compare with workpieces.



ELECTRONIC LEVEL AND PROTRACTOR



2179-360



IP54 WATERPROOF

ABSOLUTE LEVEL

BACKLIGHT

BUZZER ALARM AT 0° AND 90°

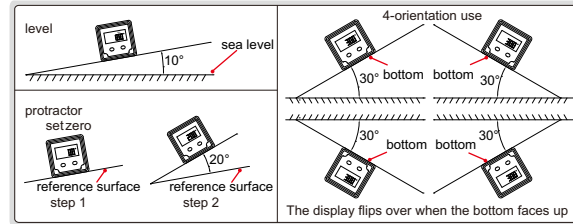
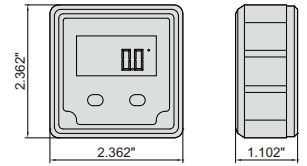
- ▶ IP54 dust/waterproof
- ▶ Aluminum frame
- ▶ Magnetic bottom with V-groove for shafts
- ▶ The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- ▶ Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (in/ft,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

Part No.	Range	Resolution	Accuracy	List Price (\$)	Sale Price (\$)
2179-360	0-360° (90°x4)	0.05°/ .125in/ft	0° and 90°: ±0.1°; others: ±0.2°	147.30	125.00

ELECTRONIC LEVEL AND PROTRACTOR



2170-1



MAGNETIC BOTTOM

ABSOLUTE LEVEL

BACKLIGHT

DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP

- ▶ 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 minutes 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)	0° and 90°: ±0.1°; others: ±0.2°	89.50	76.10

PORTABLE LEEB HARDNESS TESTER PART NO. ISH-PHB

SPECIFICATION

List Price (\$)	1278.00	
Sale Price (\$)	1086.00	
Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±6HLD (when HLD=800)	
Display	Leeb (HLD), converted hardness, material, impact direction, test times, average value, date	
Output	bluetooth	
Applicable workpiece	minimum weight	11.02lb 4.41lb (on solid support) 0.22lb (coupled on plate)
	minimum thickness:	.20"
	minimum radius of curved surface:	1.18"
	maximum roughness (Ra):	63µin
Power supply	3×AAA batteries	
Dimension	5.91×3.31×1.10"	
Weight	0.44lb	



hardness test block D (included)



small support ring (included)



wireless printer (optional)



- ▶ Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- ▶ Memory of 99 measurement values for browsing
- ▶ Set measurement times (1-9) to have average value
- ▶ Connected with printer via bluetooth
- ▶ Automatic power off
- ▶ According to ASTM A 956

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Couplant	ISH-COUPPLANT
Support rings	see details
Hardness test block D	ISH-BHLD

INSIZE USA

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