

VIDEOSCOPE (ECONOMIC TYPE) PART NO. ISV-E30

\$ 307.00

STANDARD DELIVERY

Main unit	1 pc
Hook	1 pc
Magnet pick up	1 pc
AA battery	4 pcs

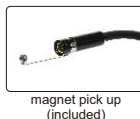
SPECIFICATION

List price		\$ 307.00
Lens	diameter	.21"
	pixel	0.4M
	depth of field	1.18~3.15"
	angle of view	72°
	illumination	8 levels
	dust/waterproof	IP67
Cable	length	40"
	type	memory (can be set at any shape)
Main unit	display	4.3" LCD
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image zoom	2X
	memory card	memory card (optional)
	output	micro USB
	power supply	AA battery
	dimension	6.06×1.28×3.45"
Weight	.62lb	



MEMORY CABLE CAN
BE FIXED AT ANY SHAPE

IP67
WATERPROOF

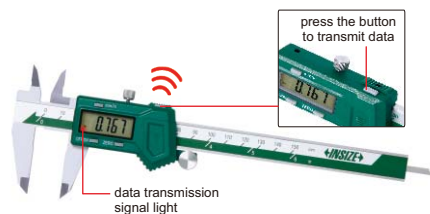


WIRELESS DIGITAL CALIPERS

**Starting At
\$ 155.00**

ATTENTION: THE WORKING LIFE OF
A BATTERY IS ABOUT 3-5 MONTHS

INSPECTION
CERTIFICATE



1113-150

- Non waterproof
- Built-in wireless data transmission module, Zigbee signal
- Transmission distance is 33 feet (under the condition of no obstruction and no electromagnetic interference)
- Resolution .0005"/0.01mm
- Buttons: on/off, zero, inch/mm, data transmission
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: receiver (part no. 7315-2/3/6/7/8/9)

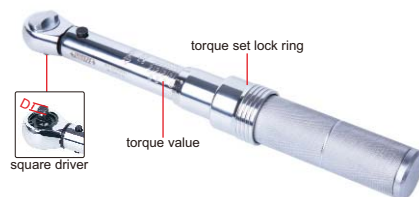
Part No.	Range	Accuracy	List price
1113-150	0-6"/0-150mm	±.0015"	\$ 155.00
1113-200	0-8"/0-200mm	±.0015"	\$ 185.00
1113-300	0-12"/0-300mm	±.0015"	\$ 263.00

TORQUE WRENCHES

**Starting At
\$ 208.00**

ATTENTION: CLOCKWISE
OPERATION ONLY

INSPECTION
CERTIFICATE



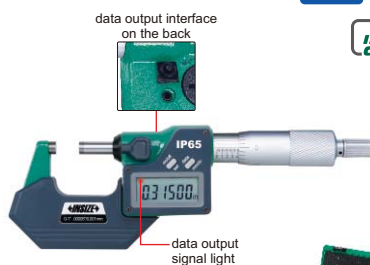
IST-10WM200

- According to DIN ISO 6789, ASME B107.300-2010
- All-metal construction

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT INTERFACE)

**Starting At
\$ 225.00**

- Resolution .00005"/0.001mm
- Button function: on/off, set, inch/mm, ABS/INC, data output
- IP65 dust/waterproof
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-1"/0-25mm)
- Optional accessory: data output cable (part no. 7315-31, 7302-30)



3101-25E

DATA
OUTPUT

IP65
WATERPROOF

INSPECTION
CERTIFICATE



3101-33E



3101-66E

Individual

Part No.	Range	Accuracy	List price
3101-25E *	0-1"/0-25mm	±.00010"	\$ 225.00
3101-50E *	1-2"/25-50mm	±.00010"	\$ 273.00
3101-75E *	2-3"/50-75mm	±.00015"	\$ 304.00
3101-100E *	3-4"/75-100mm	±.00015"	\$ 330.00
3101-125E	4-5"/100-125mm	±.00015"	\$ 380.00
3101-150E	5-6"/125-150mm	±.00015"	\$ 409.00
3101-175E	6-7"/150-175mm	±.00020"	\$ 436.00

Set

Part No.	Range	Micrometers included	Packaging	List price
3101-33E *	0-3"/0-75mm	3101-25E, 3101-50E, 3101-75E	blow mould case	\$ 711.00
3101-44E *	0-4"/0-100mm	3101-25E, 3101-50E, 3101-75E, 3101-100E	blow mould case	\$ 1294.00
3101-66E	0-6"/0-150mm	3101-25E, 3101-50E, 3101-75E, 3101-100E, 3101-125E, 3101-150E	aluminum box	\$ 2250.00

*Supplied with manufacturer inspection certificate

SPECIFICATION

Part No.	IST-10WM200	IST-10WM250	IST-10WM100	IST-10WM150	IST-10WM250A
List price	\$ 208.00	\$ 210.00	\$ 227.00	\$ 245.00	\$ 264.00
Range (clockwise)	40~200lb.in	50~250lb.in	20~100lb.ft	30~150lb.ft	50~250lb.ft
Accuracy	±6% (<89lb.in) ±4% (≥89lb.in)	±6% (<89lb.in) ±4% (≥89lb.in)	±4%	±4%	±4%
Graduation	1lb.in	1lb.in	0.5lb.ft	1lb.ft	1lb.ft
Square driver (D)	1/4"	3/8"	3/8"	1/2"	1/2"
Length	11.02"	12.40"	16.73"	19.88"	20.67"
Weight	1.50lb	1.81lb	2.29lb	2.56lb	2.87lb

ALUMINUM ALLOY LEVELS (WITH ROTARY VIAL)

LIFETIME
WARRANTY VIALS

**Starting At
\$ 39.10**



4920-600

Part No.	Length (L)	Accuracy	List price
4920-400	16"	.006in/ft	\$ 39.10
4920-600	24"	.006in/ft	\$ 51.00
4920-800	32"	.006in/ft	\$ 62.00
4920-900	36"	.006in/ft	\$ 68.30
4920-1000	40"	.006in/ft	\$ 75.00
4920-1200	48"	.006in/ft	\$ 88.50

- Shockproof and UV-proof vials
- Horizontal, vertical and rotary vials
- Rotary vial, range: 0°~360°, graduation: 5°
- Plumb window
- Shock-absorbing rubber end caps
- Working temperature: 5°F~131°F

COUNTING SCALES



8101-30

Starting At
\$ 439.00

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- Overload alarm
- Units: lb, lb-oz, kg, g, tj, hj

SPECIFICATION

Part No.	8101-6	8101-15	8101-30
List price	\$ 439.00	\$ 439.00	\$ 439.00
Maximum weighing	12lb/6kg	30lb/15kg	60lb/30kg
Minimum weighing	.0090lb/4g	.022lb/10g	.044lb/20g
Resolution (d)	.0005lb/0.2g	.001lb/0.5g	.002lb/1g
Accuracy (m is load)	m≤2.2lb: ±.0025lb 2.2lb<m≤8.8lb: ±.0005lb m>8.8lb: ±.0075lb	m≤5.5lb: ±.005lb 5.5lb<m≤22.0lb: ±.01lb m>22.0lb: ±.015lb	m≤11.0lb: ±.01lb 11.0lb<m≤44.0lb: ±.02lb m>44.0lb: ±.03lb
Operation temperature	14~104°F		
Power	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)		
Dimensions of pan	10.354×8.031"		

CONCENTRICITY GAGE

\$ 5060.00

- Accuracy .00012"
- 1.969" DIA setting ring and 2.165" DIA calibration cylinder are included
- Optional accessory: dial test indicator



4786-1E



Part No.	Applicable inside diameter	Applicable outside diameter	List price
4786-1E	.945" DIA~2.520" DIA	.079" DIA~2.756" DIA	\$ 5060.00

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

\$ 277.00

- Suitable for setting horizontal and vertical mitre angles of cutting machine
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight turns off in one minute after no data changing, automatic power off in 5 minutes



2174-225

Part No.	Range	Resolution	Accuracy	List price
2174-225	0-225°	0.05°	±0.10°	\$ 277.00

STEEL GAGE BLOCK SETS

Starting At
\$ 333.00

- Made of alloy steel
- Meet ASME B89.1.9
- Supplied with manufacturer inspection certificate



4102-81



Blocks per set	Gage blocks included in set				Grade 0		Grade AS-1		Grade AS-2	
	Size (inch)	Step (inch)	Quantity		Part No.	List price	Part No.	List price	Part No.	List price
36	.05		1		4102-36	\$ 596.00	4102-136	\$ 442.00	4102-236	\$ 333.00
	.1001~.1009	.0001	9							
	.101~.109	.001	9							
	.11~.19	.01	9							
	.1~.5	.1	5							
	1		1							
81	2		1		4102-81	\$ 1035.00	4102-181	\$ 737.00	4102-281	\$ 519.00
	4		1							
	.1001~.1009	.0001	9							
	.101~.149	.001	49							
	.05~.95	.05	19							
	1~4	1	4							

OUTSIDE MICROMETERS WITH COUNTER



3400-1

Starting At
\$ 79.50

Part No.	Range	Accuracy	List price
3400-1	0-1"	.00015"	\$ 79.50
3400-2	1-2"	.00015"	\$ 89.30
3400-3	2-3"	.00020"	\$ 100.00
3400-4	3-4"	.00020"	\$ 111.00

* We can offer in larger sizes

- Counter resolution .001"
- Thimble graduation .0001"
- Carbide measuring faces, ratchet stop
- Supplied with setting standards (except 0-1")

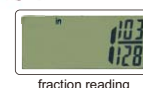
DIGITAL CALIPERS (FRACTION READING)



Starting At
\$ 106.00



1102-150



ATTENTION: NO DATA OUTPUT

- Resolution: 0.01mm, .0005", 1/128"
- Buttons: unit (mm/in/fraction), ABS, on/off, zero
- Absolute and incremental measurement
- Battery CR2032
- Automatic power off
- Made of stainless steel

Part No.	Range	Accuracy	List price
1102-150	0-6"/0-150mm	.00015"	\$ 106.00
1102-200	0-8"/0-200mm	.00015"	\$ 149.00
1102-300	0-12"/0-300mm	.00015"	\$ 193.00

DIGITAL THICKNESS GAGES

DATA OUTPUT

Starting At
\$ 198.00

- Ceramic spindle tip and anvil
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, data output
- Automatic power off (time is adjustable)
- Optional accessory: data output cable (part no. 7315-50M, 7302-50M)

Part No.	Range	Resolution	Accuracy	List price
2871-10	0-.4"/0-10mm	.0005"/0.01mm	±.001"	\$ 198.00
2871-101	0-.4"/0-10mm	.00005"/0.001mm	±.0002"	\$ 363.00



2871-101

DIAL INDICATORS



2307-1

- Meet ASME B89.1.10M-2001
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Starting At
\$ 41.60

Part No.	Range	Graduation	Accuracy		Range/rev	Dial reading	List price
			First 2.5 rev	Overall			
2307-025	.25"	.001"	±.001"	±.001"	.1"	0-100	\$ 42.80
2307-05	.5"	.001"	±.001"	±.002"	.1"	0-100	\$ 44.60
2307-1	1"	.001"	±.001"	±.002"	.1"	0-100	\$ 41.60
2307-2	2"	.001"	±.001"	±.004"	.1"	0-100	\$ 98.80
2307-0255	.25"	.0005"	±.0005"	±.0015"	.05"	0-50	\$ 48.50
2307-055	.5"	.0005"	±.0005"	±.0015"	.05"	0-50	\$ 48.50
2307-105	1"	.0005"	±.0005"	±.002"	.05"	0-50	\$ 49.90

PIN GAGE SETS

4162-2161



Starting At
\$ 57.30

- Class ZZ
- Made of stainless steel
- Hardness HRC60-62
- Handle is optional (handle part no. 7341 series, 7342 series)

Diameter (d)	Step	Pin gages per set	Part No. Accuracy + .0002"	List price	Part No. Accuracy -.0002"	List price
.011~.060"	.001"	50	4162-111	\$ 57.30	4162-211	\$ 57.30
.061~.250"	.001"	190	4162-1161	\$ 243.00	4162-2161	\$ 232.00
.251~.500"	.001"	250	4162-1251	\$ 362.00	4162-2251	\$ 362.00
.501~.625"	.001"	125	4162-1501	\$ 314.00	4162-2501	\$ 314.00
.626~.750"	.001"	125	4162-1626	\$ 356.00	4162-2626	\$ 356.00
.751~.832"	.001"	82	4162-1751	\$ 296.00	4162-2751	\$ 296.00
.833~.916"	.001"	84	4162-1833	\$ 353.00	4162-2833	\$ 353.00
.917~1.000"	.001"	84	4162-1917	\$ 367.00	4162-2917	\$ 367.00

VISION MEASURING SYSTEMS



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

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



ISD-V250A

computer is included

Starting At
\$ 13951.00

MANUAL ROCKWELL HARDNESS TESTER (BASIC TYPE)
PART NO. HDT-RW160

\$ 2335.00



2.28" DIA flat anvil (included)

5.91" DIA flat anvil (included)

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

level (included)



indenter
stage
test force handwheel
unload handle
load handle

SPECIFICATION

Part No.	ISD-V150A	ISD-V250A	ISD-V300A
List price	\$ 13951.00	\$ 14330.00	\$ 16763.00
Measuring range (X*Y*Z)	6x4x6"	10x6x6"	12x8x6"
Stage size	13.94x8.98"	17.72x11.02"	19.69x12.99"
Glass stage size	8.27x6.30"	12.05x7.72"	13.78x9.84"
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"		
Max. weight of workpiece	44lb		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L*W*H)	22.05x21.26x33.46"	29.92x23.62x35.43"	29.92x23.62x35.43"
Weight	220lb	264lb	308lb

SPECIFICATION

List price	\$ 2335.00
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N (10kg)
Test force	588N (60kg), 980N (100kg), 1471N (150kg)
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	6.69"
Max. testing width	5.31" (from the center of indenter to the wall of main body)
Dimension	18.35x9.37x24.80"
Weight	154lb

■ According to ISO 6508

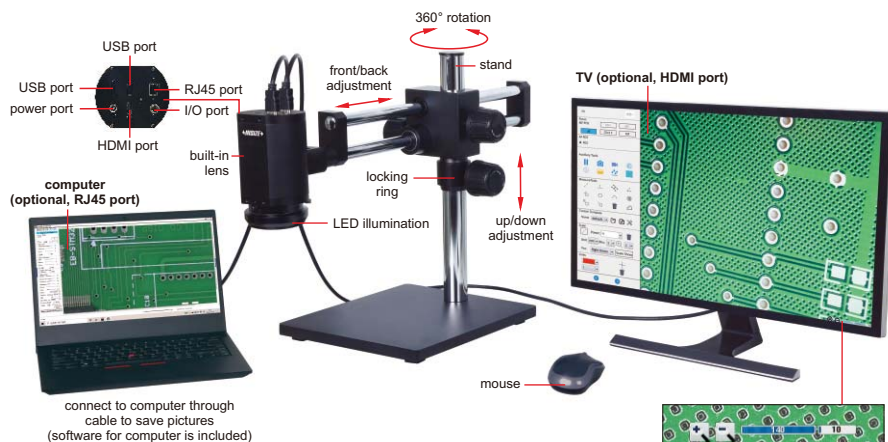
STANDARD DELIVERY

Main unit	1 pc
2.28" flat anvil	1 pc
5.91" flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
1/16" DIA steel ball indenter	1 pc
1/16" DIA steel ball	5 pcs
Level	1 pc
Hardness test block HRA80~88	1 pc
Hardness test block HRB85~95	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC35~55	1 pc
Hardness test block HRC60~70	1 pc
Anti-dust cover	1 pc

AUTO FOCUS DIGITAL MICROSCOPES (LARGE VIEW FIELD)

AUTO FOCUS

MEASUREMENT

CAN BE CONNECTED TO PC
AND TV AT THE SAME TIMETAKE PICTURES
AND VIDEOS

5302-AF105

optical zoom adjustment

- Auto focus camera
- Take pictures and videos
- Can be connected to TV (HDMI port) and computer (RJ45 port) at the same time
- Built-in measuring software for TV
- Measuring software for computers is included
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red/yellow/black/brown colors)

Starting At
\$ 3675.00

SPECIFICATION

Part No.	5302-AF105 (standard type)	5302-AF108 (high-definition type)
List price	\$ 3675.00	\$ 3850.00
Pixel	2M	8M
Resolution	1920x1080	3840x2160
Magnification	1.4X~25.8X (on 28" TV)	1.4X~51.6X (on 28" TV)
Sensor	1/2.8" CMOS	
Auto focus distance	4"~∞	
Output	HDMI, RJ45	
Frame rate	HDMI: 60fps, RJ45: 50fps	
Power supply	power adapter	
Dimension (L*W*H)	19.69x11.02x16.14"	
Weight	37.48lb	



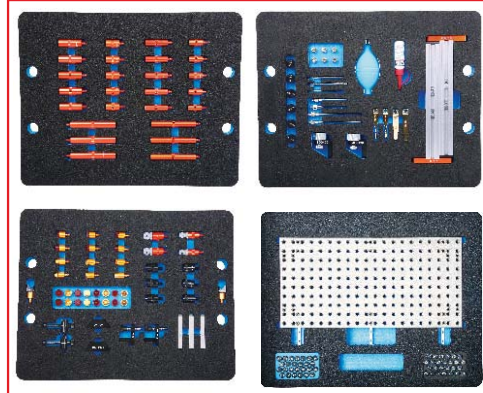
PRECISION MEASUREMENT

JIG SET FOR CMM

**\$ 4301.00**

Part No.	List price
ISY-100	\$ 4301.00

application examples

MINI DIGITAL REFRACTOMETER
PART NO. 5801-A55SUITABLE FOR WATER
BASED COOLANT

- Quickly measure the concentration of coolant
- Automatic temperature compensation
- Brix and refractive index can be displayed
- Refer to the refraction coefficient of coolant, for example: the refraction coefficient of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$
- Automatic power off

\$ 256.00

SPECIFICATION

List price	\$ 256.00
Measuring range	0~50% (1.3330~1.4200RI)
Accuracy	$\pm 0.2\%$ ($\pm 0.0003RI$)
Resolution	0.1% (0.0001RI)
Power supply	built-in 3.7V rechargeable lithium battery
Dimension	5.79x1.81x1.06"
Weight	.25lb (including battery)

STANDARD DELIVERY

Main unit	1 pc
Dropper	1 pc

13-PIECE MEASURING TOOL SET

Includes:

- Digital caliper, range 0-6"/0-150mm, resolution .0005"/0.01mm (part no. 1108-150)
- Outside micrometer, range 0-1", graduation .0001" (part no. 3202-1)
- Dial indicator, range 1", graduation .001" (part no. 2307-1)
- Magnetic stand (part no. 6201-60)
- Protractor, range 0-180°, graduation 1° (part no. 4799-180)
- Pitch gauge, range 4-42TPI, 30 pcs, unified 60° thread (part no. 4820-230)
- Radius gauge, range 1/32"-1/4" (part no. 4801-15E)
- Feeler gauge, range .0015"-.035", 31pcs (part no. 4608-31)
- 90° beveled edge square, 3.937x2.756", grade 0 (part no. 4790-1000)
- Scriber (part no. 7230)
- Steel rule, 6"/150mm (part no. 7110-150)
- Depth base attachment (part no. 6140)
- Zero setting bar for depth base attachment

\$ 387.00

5013-E

Part No.	List price
5013-E	\$ 387.00

ULTRASONIC THICKNESS GAGE (BASIC TYPE)
PART NO. ISU-100DATTENTION: NOT SUITABLE FOR
CASTINGS AND ALUMINUM WORKPIECES

STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Couplant	1 bottle
Battery (AAA)	2 pcs

\$ 851.00

SPECIFICATION (ON STEEL)

List price	\$ 851.00
Measuring range	.031~11.811"
Resolution	.01/.001"
Accuracy	$\pm .002"$ ($H < .394"$) $\pm (.002" + H/1000)"$ ($.394" \leq H < 3.937"$) $\pm H/333"$ ($H \geq 3.937"$) H is the thickness to be measured in inch
Transducer	frequency 5MHz diameter (d) .43" DIA
Minimum size of pipes	.79x.05" (diameter x wall thickness)
Velocity	.0394~.3937inch/ μ s
Operation temperature	main unit: -4~122°F transducer: -4~140°F
Measuring unit	mm/inch
Power supply	2xAAA batteries
Dimension	4.49x2.52x1.1"
Weight	.44lb

- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: steel, stainless steel, glass, copper, brass, polystyrene, titanium, etc.

ROUGHNESS TESTER (BASIC TYPE)
PART NO. ISR-C003ATTENTION: THIS ROUGHNESS TESTER IS NOT SUITABLE
FOR ROUGH TURNING, MILLING AND PLANING WORKPIECES**\$ 1933.00**

- Unit: μ m, μ in
- Automatic power off

calibration block (included)



SPECIFICATION

List price	\$ 1933.00
Parameters	Ra, Rz, Rq, Rt
Range	Ra, Rq: 2~590 μ in Rz, Rt: 4~1968 μ in
Accuracy	$\pm 10\%$
Resolution (Ra)	.01 μ in
Probe	type piezoelectric stylus radius/angle 393 μ in/90° stylus material diamond
Measuring force	.012ozf
Measuring unit	μ in/ μ m
Cut off	.01/.03/.1"
Evaluation length	.05" for cut off .01" .15" for cut off .03" .2" for cut off .1"
Moving speed	.03"/s
Power	built-in rechargeable battery
Dimension (LxWxH)	4.17x2.75x.94"
Weight	.44lb



STANDARD DELIVERY

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



INSIZE USA

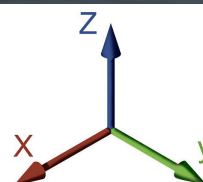
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