

+INSIZE TOOLS THAT MEASURE UP

2022 **♦BEST** SELLERS

TOP 50+



1 YEAR MANUFACTURER'S WARRANTY ON INSIZE TOOLS



TOOLS WITH THIS MARK SUPPLIED WITH MANUFACTURER'S INSPECTION CERTIFICATE AND ARE TRACEABLE TO NIST (NATAIONAL INSTITUTE OF STANDARDS & TECHNOLOGY)

LEARN MORE

VIDEO: https://youtu.be/2j9BGVKbzS4

EXCLUSIVELY AVAILABLE FROM KAR IN CANADA **



Electronic Measuring Microscope

- Records photos and video
- Supplied with measuring software (requires Windows XP SP2, Vista, Windows 7, 8 or 10 operating system)
- Data export to CAD or Microsoft Excel
- Magnification: 10X to 200X
- Pixels: Standard 1.3M (resolution: 1280x1024)
- Built-in adjustable LED
- Power supply: USB 2.0 cable (voltage required: 5±0.1V)



| Magnification (Inch) | Focus Distance (Inch) | View Field (Inch) | Accuracy (Inch) |
|----------------------|-----------------------|----------------------|--------------------|
| 50x | 0.83 | 0.32×0.25 | 0.0012 |
| 100x | 0.51 | 0.15×0.12 | 0.0006 |
| 150x | 0.63 | 0.10 x 0.08 | 0.0004 |
| 200x | 0.75 | 0.07 x 0.06 | 0.0003 |

Includes one of each: Microscope, Stand, White/ Black plate, Focus support ring 80X/150X, Focus support ring 60X/200X, Calibration rule (graduation 0.1mm), Calibration rule (graduation 1mm), ISM-PRO software CD

Ultrasonic Thickness Gage

• Resolution: 0.001" (range <10")

0.01" (range >10")

• Accuracy: ±0.002 (range <0.4")

±(0.002+H/1000) (range 0.4-4")

±H/333 (range ≥4")

His the thickness to be measured in inch

- Applicable temperature: <140°F
- Suitable for pipes, tanks, etc.
- Minimum size of pipe for measurement: 0.79" diameter x 0.05" wall thickness
- Supplied with transducer (5MHz, Ø0.43"), bottle of couplant and 2 x AAA batteries
- Supplied with manufacturer inspection certificate
- Weight: 0.49 lbs
- Supplied in fitted storage case

Measure thickness from one side of workpiece



Range: 0.03-11.81 Inch Code 816694

1268^{.08}



Applicable materials: metal, plastic, glass, nylon, resin, ceramic, ice Not recommended for casting workpieces

YOUR AUTHORIZED KAR DISTRIBUTOR:



INDUSTRIAL SUPPLY INC.

Unit 201-9466 189th Street, Surrey, B.C. V4N 4W7

604.888.4052 Fax 604.888.4072



Electronic, Dial & Vernier Calipers



- Resolution: 0.0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Auto power off, move digital unit to turn power on
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0010" Code 817000

0-8 Inch/0-200mm Accuracy: ±0.0015" Code 817001

99.03

0-12 Inch/0-300mm Accuracy: ±0.0015" Code 817002



- Resolution: 0.0005", 1/128" (fractional), 0.01mm
- Buttons: zero, unit (mm/inch/fraction), ABS (absolute and incremental), on/off
- · Auto power off
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 280003

06.49

0-8 Inch/0-200mm Accuracy: ±0.0015" Code 280004

159.00

0-12 Inch/0-300mm Accuracy: ±0.0015" Code 280005

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- Graduations: 0.001"
- One revolution equals: 0.1"
- Shock proof dial indicator
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816028

0-8 Inch/0-200mm Accuracy: ±0.0020" Code 816030

114.28

0-12 Inch/0-300mm Accuracy: ±0.0020" Code 816032

2<u>0</u>9.11



- · Zinc alloy casing
- Buttons: zero, on/off, inch/mm
- Auto power off
- Battery CR2032
- Stainless steel construction
- · Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816012

86.69

0-8 Inch/0-200mm Accuracy: ±0.0015" Code 816014

116.66

0-12 Inch/0-300mm Accuracy: ±0.0015" Code 816016

)].62



0-6 Inch/0-150mm Accuracy: ±0.0012" Code 876750

• Supplied in fitted storage case

59.89



ACCESSORIES: unit to turn power on • Battery CR2032 SPC cable Depth stop

Data output

- Stainless steel construction
- · Supplied in fitted storage case

Lower Jaw 0.59-6 Inch/15-150mm Accuracy: ±0.0016" Code 817005

407.40

<<< Many More Sizes & Styles of INSIZE Calipers Available – Contact your local KAR Distributor >>>



Outside Micrometers

With Counter NST

- Counter resolution: 0.001"
- Thimble graduation: 0.0001"
- Ratchet stop and carbide tips
- Micrometers over 1" are supplied with a setting standard
- Supplied in fitted storage case

0-1 Inch 3-4 Inch Accuracy: ±0.00015" Accuracy: ±0.00015" Accuracy: ±0.0002" Accuracy: ±0.0002" Code 280933 Code 280934 Code 280935 Code 280936 175.83 108.29

164.51 **37**.06

- Resolution: 0.00005"/0.001mm
- Button functions: on/off, set, inch/mm, ABS/INC
- Auto power off
- Battery LR44
- Carbide tips and friction thimble
- Spherical anvil included allows tube thickness measurements
- Micrometers over 0-1"/0-25mm are supplied with a setting standard

Electronic - 2 Button

• Supplied in fitted storage case

0-1 Inch/0-25 mm 1-2 Inch/25-50 mm Accuracy: ±0.0001" Accuracy: ±0.00015" Accuracy: ±0.00015" Accuracy: ±0.00015" Code 816500 Code 816502 Code 816504 165.58

134.48 158^{.78} 2-3 Inch/50-75 mm 3-4 Inch/75-100 mm Code 816506

Spherical Anvil

to measure

tube thickness

• Graduation: 0.0001"/0.01mm

- Ratchet stop (816565 with friction thimble)
- Carbide tips
- Micrometers over 1"/25mm are supplied with a setting standard





*NST

0-1 Inch with **Friction Thimble** Accuracy: ±0.0001"

Code 816565 55.46



Up to 6"/150mm micrometers sets supplied in plastic moulded storage case micrometer sets supplied in an aluminum storage case

| * NIST Certifi | ication | | | | | | | | | . |
|-----------------|--------------------|-----------------|---------------|---------------|------------------|-----------------|---------------|--|-----------------|--------------------|
| Inch | | | | Metric | | | | Sets in Protective Fitted Storage Cases | | |
| Range (Inch) | Accuracy (Inch) | Code | Price | Range (mm) | Accuracy (µm) | Code | Price | Description | Code | Price |
| 0-1 | ±0.00015 | * 816564 | 47.88 | 0-25 | 2 | * 816530 | 45 .45 | Inch Sets | | |
| 1-2 | ±0.00015 | * 816566 | 53 .72 | 25-50 | 2 | * 816532 | 51.00 | 0-3 Inch (3 micrometers, plastic case) | * 816588 | 151 ^{.68} |
| 2-3 | ±0.00020 | * 816568 | 59 .40 | 50-75 | 2 | * 816534 | 56.49 | 0-4 Inch (4 micrometers, plastic case) | * 816590 | 215.75 |
| 3-4 | ±0.00020 | * 816570 | 66.09 | 75-100 | 3 | * 816536 | 62.74 | 0-6 Inch (6 micrometers, plastic case) | * 816592 | 367 .97 |
| 4-5 | ±0.00025 | * 816572 | 83.89 | 100-125 | 3 | 816538 | 82.05 | 6-12 Inch (6 micrometers, aluminum case) | 816594 | 874.74 |
| 5-6 | ±0.00025 | * 816574 | 95.03 | 125-150 | 3 | 816540 | 92.63 | 0-12 Inch (12 micrometers, aluminum case) | 816596 | 1247.11 |
| 6-7 | ±0.00030 | 816576 | 117.49 | 150-175 | 4 | 816542 | 116.65 | Metric Sets | | |
| 7-8 | ±0.00030 | 816578 | 129.25 | 175-200 | 4 | 816544 | 129.25 | 0-75 mm (3 micrometers, plastic case) | * 816554 | 162.52 |
| 8-9 | ±0.00030 | 816580 | 139.51 | 200-225 | 4 | 816546 | 139.48 | 0-100 mm (4 micrometers, plastic case) | * 816556 | 200.91 |
| 9-10 | ±0.00030 | 816582 | 156.23 | 225-250 | 5 | 816548 | 156.25 | 0-150 mm (6 micrometers, plastic case) | 816558 | 360.12 |
| 10-11 | ±0.00035 | 816584 | 173.02 | 250-275 | 5 | 816550 | 173.03 | 150-300 mm (6 micrometers, aluminum case) | 816560 | 856 ^{.71} |
| 11-12 | ±0.00035 | 816586 | 183.57 | 275-300 | 5 | 816552 | 183.57 | 0-300 mm (12 micrometers, aluminum case) | 816562 | 1251.52 |

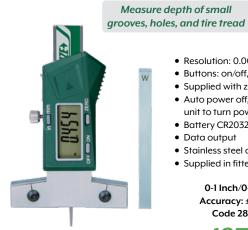


Depth Micrometer

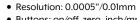
- Graduation: 0.001"
- Micrometer head accuracy: ±0.00012"
- Rod accuracy: ±[0.001 + 0.0005(L/3)]
 - (L= measuring range in inch)
- 6 rods with flat end
- Ratchet stop
- Supplied in fitted storage case

0-6 Inch Code 281939

Miniature Electronic Depth Gage



OPTIONAL ACCESSORY: SPC cable



• Buttons: on/off, zero, inch/mm

<- SPC

- Supplied with zero set surface
- Auto power off, move digital unit to turn power on
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case

0-1 Inch/0-25mm Accuracy: ±0.0015" Code 284550

127.75

Dial Bore Gages

- Indicator graduation: 0.0005"
- Indicator range: 0.25"
- Repeatability: 0.00015"
- Supplied in fitted storage case



816192

OPTIONAL ACCESSORIES: Setting Ring Long Handle



293.85

1.4-2.4 Inch Accuracy: ±0.0009" Code 816188

2-6 Inch Accuracy: ±0.0009" Code 816192

306.75

6-10 Inch Accuracy: ±0.0009" Code 816184

10-16 Inch Accuracy: ±0.0009" Code 816186







3 Bore Gage SET

- · 0.7-1.5 Inch
- 1.4-2.4 Inch (Indicator not included)
- 2-6 Inch (Indicator not included)

Accuracy: ±0.0009" (except 2-6" = ±0.00075") Code 877160

471.62

Pitch Gages

- For measuring the pitch of screw threads
- Blades individually marked with pitch
- Medium carbon steel
- Supplied in storage pouch



0.4-7mm/4-42TPI Code 816695

0.25-7mm Code 283551

4-42TPI Code 283552

1 (3.63

15.11

8.12

| Range | Accuracy | Thread Type | Blade Pitch | Code | | |
|----------|----------|----------------|---|--------|--|--|
| 0.4-7mm | ±0.07mm | Metric 60° | 52 blades: 0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm | 816695 | | |
| 4-42TPI | ±0.0028" | Unified 60° | 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42 TPI | 010095 | | |
| 0.25-7mm | ±0.0028" | Metric 60° | 24 blades: 0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm | 283551 | | |
| 4-42TPI | ±0.0028" | Unified 60° | 30 blades: 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42 TPI | 283552 | | |

Drill Angle Gage

- For checking drills with 60°, 70°, 90°, 118°, 125°, 135°, 150°, or 160° angles
- Stainless steel

• Supplied in storage pouch

Back



0-180° Range Accuracy: ±0.5° Code 816683

Sheet Metal Gage

American Standard

- US standard for gaging sheet metal, plate iron and steel
- Hardened steel with satin chrome finish
- Supplied in storage pouch

#0-36 Range (0.3125-0.007") Code 283575

36.03





- Graduation: 0.1mm
- For quick measuring of slot width and various gaps in material and work pieces
- Diameter correction table on back
- Supplied in storage pouch

0.8mm - 15mm Accuracy: ±0.1mm Code 285112

24.49

Feeler Gage

Hardened Alloy Steel Blades with 1 Brass

- Hardened alloy steel (except 0.01" blade - brass)
- Blades individually marked with inch/metric measurements
- Supplied in storage pouch



32 Blades 0.0015-0.035 Inch Range Code 283543

17.92

Small Hole Gage Set



- For small holes, slots, grooves, etc.
- · Satin chrome finish
- Supplied in storage pouch

0.125 to 0.5 Inch Code 816204

37.35

Telescoping Gage Set



- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish
- Supplied in storage pouch

5/16 to 6 Inch Code 816202

6 Gages

53.69

Electronic Chamfer Gage

- Measures 45° chamfer dimension
- Resolution: 0.0005"/0.01mm
- Accuracy: ±0.0025"/0.063mm
- Buttons: on/off, zero, inch/mm
- Auto power off move unit to turn power on
- Battery CR2032
- Data output
- Stainless steel



OPTIONAL ACCESSORY: SPC cable

0-0.39 Inch/0-10mm

< "SPC

Code 816370 212^{.97}





Edge Finder

• Hardened shank and contact point



Shank: Ø3/8" Contact Point: Ø0.2" Accuracy: ±0.0003" Code 816383

62.34

<<< MORE STYLES AVAILABLE >>> Contact your local **KAR** Distributor

Centering Indicator



Dial Indicators

Inch

- ASME B89.1.10M-2001 standards
- Graduation: 0.001"
- First 2.5 rev. accuracy: ±0.001"
- Range per rev.: 0.1"
- Dial reading: 0-100
- Lua back
- Bezel locking clamp and limit pointers
- Contact point thread: #4-48UNF
- Supplied in fitted storage case



OPTIONAL ACCESSORIES: Contact points, Flat back

• Hysteresis: 20µm

- Graduation: 0.1mm
- Range per rev.: 10mm
- Dial reading: 0-10
- Bezel locking clamp and limit pointers
- Contact point thread: M2.5 x 0.45
- Supplied in fitted storage case

Metric



OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch Accuracy: ±0.002" Code 816156

47.49

1 Inch Accuracy: ±0.002"

44.82

2 Inch Accuracy: ±0.004"

Optional Magnetic Back

For 1 Inch **Dial Indicator**



Diameter: 2.126" Code 877212

28.58

Dial Test Indicators

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- · Anti-magnetic body
- Supplied with two clamps: 5/32" and 3/8" diameters
- Supplied in fitted storage case



Ø5/32" Supplied with two clamps

OPTIONAL ACCESSORY: Contact point (stylus) - series 6284

0.03 Inch Graduation: 0.001" Accuracy: ±0.001" Dial reading: 0-15-0 Code 282858

98.29

0.03 Inch Graduation: 0.0005" Accuracy: ±0.0005" Dial reading: 0-15-0 Code 816170

128.54

0.008 Inch Graduation: 0.0001" Accuracy: ±0.0001" Dial reading: 0-40-0 Code 816172

171.28

0.03 Inch Graduation: 0.001" Accuracy: ±0.001" Dial reading: 0-15-0 Code 282859

0.03 Inch Graduation: 0.0005" Accuracy: ±0.0005" Dial reading: 0-15-0 Code 282860

103.88

0.008 Inch Graduation: 0.0001" Accuracy: ±0.0001" Dial reading: 0-40-0 Code 282861

171.95

<<< Ask about other Sizes & Accessories for INSIZE Dial Indicators – Contact your local KAR Distributor >>>

Magnetic Stands







- For electronic/dial indicators and dial test indicators
- Applicable holding stem Ø: 3/8", 8mm, 4mm



Magnetic force: 132lbf/60kgf Code 816250

33.46



With Fine Adjustment Magnetic force: 132lbf/60kgf Code 816252

30.98



With Fine Adjustment Magnetic force: 176lbf/80kgf Code 282886

81.08



With Fine Adjustment Magnetic force: 220lbf/100kgf Code 816254

95.54

Portable Refractometer

- Dimensions: 1.06" x 1.57" x 6.3"
- Weight: 0.39 lbs
- Graduations: 0.2%
- Measuring range: 0-32%
- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant ex: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is 2.1x6%=12.6%
- Suitable for water based coolant



Code 219182 153.03



EXCLUSIVELY AVAILABLE FROM KAR IN CANADA **



Protractors & Levels



- Graduations: 1º
- Accuracy: ±0.3°
- Stainless steel with satin chrome plated scale
- With locking screw
- · Supplied in storage case

0-180° Range Code 283330

47.25

- Graduations: 1º
- Accuracy: ±0.3°
- Stainless steel with satin chrome plated scale
- With locking screw
- Supplied in storage case

0-180° Range Code 283328

18.91

Electronic Protractor

• Resolution: 0.1°

- Accuracy: ±0.3°
- Buttons: on/off, zero
- With locking screw
- Graduation of blade: 1/32" and 1mm
- Stainless steel
- Battery CR2032
- Auto power off

T 10 20 30 00 50 60 70 00 90 100 110

Portable Level

- Accuracy: ±0.006"/ft
- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: 5°F-131°F (-15°C-55°C)
- Vials made in Israel lifetime warranty



4 x 2 x 0.787 Inch Code 877180

14.11

Rules

Rigid Rules



- 4R graduation
 - 1/64" and 1/32" on front, 1/16" and 1/8" on back
 - Non-glare surface

Accuracy: ±0.003" Code 877203

Accuracy: ±0.004" Code 877201

24 Inch Accuracy: ±0.006" Code 877202

7.20

7.74

Semi-Flexible Rules



- Accuracy: ±0.006" (except 24 Inch/600mm: ±0.008")
- Graduations front & back: 1/64", 1/32", 1/16", 0.5mm and 1mm
- Semi-flexible, stainless steel with non-glare surface
- Supplied in storage pouch

3.02

Code 283596

6 Inch/150mm 8 Inch/200mm 12 Inch/300mm 20 Inch/500mm 24 Inch/600mm Code 283597

Code 283598 **4**.48

Code 283599

Code 283600

<>< UP TO 80 INCH/2000MM AVAILABLE >>>

Electronic Level & Protractor

- Resolution: 0.1° (=0.021 in/ft)
- Accuracy: 0° and 90°: ±0.1°; others: ±0.2°
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- Display rotates when gage is upside down
- Backlight on automatically when in use auto off 15 minutes after use
- Sea level permanently set inside chip zero setting not required when battery replaced
- Buttons: on/off, zero, absolute and incremental measurement
- Battery 1 x AAA
- Auto power off
- Supplied in leather pouch



0-360° Range, 8 Inch

Code 877018

21.15

4 x 90° Range Code 816396

1()().49



Code 283344

208.74

OPTIONAL ACCESSORY: Rigid Rule 283006

- 1/8" & 1/16" graduations side 1, 1/32" & 1/64" graduations side 2
- Square, level, marking gage, scriber, center gage, protractor and 12" rule
- Center Head: to locate center of round workpieces Accuracy: ±0.006"
- Protractor Head: to set the blade at desired angle to an edge of a workpiece, and may 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 and ±10min. for 45° square
- Supplied in fitted storage case



KAR Industrial Inc. www.kar.ca

Toronto.... Montréal...

1-800-387-3127 1-800-363-7862 Edmonton......1-866-440-4326

2022 List Prices subject to change without notice

*Products shown may not be exactly as illustrated Code 000315