

2023 **♦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 **



Portable LEEB Hardness Tester



- 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
- Connects to printer via bluetooth (printer optional)
- Automatic power off
- ASTM A956 standards
- Supplied with manufacturer inspection certificate

Includes one of each:

Hardness tester Impact device D Hardness test block D Small support ring Cleaning brush

MORE SPECS & DETAILS at KAR.CA

Code 816432 2108^{.78}

Measuring Tool Sets



Set Includes:

1) Electronic caliper (817000) SPC, range 0-6"/0-150mm, resolution 0.0005"/0.01mm

2) Electronic outside micrometer (289005 - without SPC), range 0-1"/0-25mm, resolution 0.00005"/0.001mm

• Supplied in fitted storage case

"SPC

Code 816345



Set Includes:

1) Dial indicator (816158), range 0-1", graduation 0.001"

2) Magnetic stand with magnetic force 132lbf/60kgf (816252)

• Supplied in fitted storage case

Code 284505

141.78

YOUR AUTHORIZED KAR DISTRIBUTOR:



METALWORKING SOLUTIONS (MSI) INC.

9750-51st Ave., Unit #2, **Edmonton AB T6E 0A6**

Tel: 780-431-8488 • Fax: 780-431-8407

Toll Free: 1-877-213-8488 Email: sales@msitools.ca



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

66.30

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

91.43

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

115.72

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

172.68

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

150.78



- 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

124.18

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

227.20



- · 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

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

126^{.73}

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

219.02



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

• Supplied in fitted storage case

 $65^{.07}$



- Coolant proof, IP67 Ingress protection level
- · Button functions: zero, on/off, inch/mm, ABS/REL, hold

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816018

0-8 Inch/0-200mm Accuracy: ±0.0015" Code 280014

0-12 Inch/0-300mm Accuracy: ±0.0015" Code 280015

• Supplied in fitted storage case

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

Outside Micrometers

With Counter

- 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 Code 280933

117.65

Code 280934

Code 280935

3-4 Inch Accuracy: ±0.00015" Accuracy: ±0.00015" Accuracy: ±0.0002" Accuracy: ±0.0002" Code 280936

190.97

148.90

178^{.72}

Electronic - 2 Button



- 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
- Supplied in fitted storage case

0-1 Inch/0-25 mm Accuracy: ±0.0001" Accuracy: ±0.00015" Accuracy: ±0.00015" Accuracy: ±0.00015" Code 816500

146^{.07}

1-2 Inch/25-50 mm Code 816502

172.62

Code 816504

Code 816506

2-3 lnch/50-75 mm 3-4 lnch/75-100 mm

Spherical Anvil

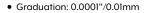
to measure

tube thickness

179.92

Inch & Metric





- Ratchet stop
- Carbide tips
- Micrometers over 1"/25mm are supplied with a setting standard
- Supplied in fitted storage case





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

0-12"/0-300mm and 6-12"/150-300mm micrometer sets supplied in an aluminum storage case

* NIST Certification												
	In	ch		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	52 .08	0-25	2	* 816530	49.42	Inch Sets				
1-2	±0.00015	* 816566	58 .35	25-50	2	* 816532	55 .37	0-3 Inch (3 micrometers, plastic case)	* 816588	164 ^{.78}		
2-3	±0.00020	* 816568	64.53	50-75	2	* 816534	61.32	0-4 Inch (4 micrometers, plastic case)	* 816590	234.38		
3-4	±0.00020	* 816570	71 .75	75-100	3	* 816536	68.18	0-6 Inch (6 micrometers, plastic case)	* 816592	399 ^{.72}		
4-5	±0.00025	* 816572	91.13	100-125	3	816538	89.12	6-12 Inch (6 micrometers, aluminum case)	816594	950.33		
5-6	±0.00025	* 816574	103.25	125-150	3	816540	100.65	0-12 Inch (12 micrometers, aluminum case)	816596	1354 ^{.92}		
6-7	±0.00030	816576	127.65	150-175	4	816542	126.75	Metric Sets				
7-8	±0.00030	816578	140.43	175-200	4	816544	140.45	0-75 mm (3 micrometers, plastic case)	* 816554	176.57		
8-9	±0.00030	816580	151 .58	200-225	4	816546	151 .57	0-100 mm (4 micrometers, plastic case)	* 816556	218.27		
9-10	±0.00030	816582	169.75	225-250	5	816548	169.75	0-150 mm (6 micrometers, plastic case)	816558	391 .18		
10-11	±0.00035	816584	187.97	250-275	5	816550	188.02	150-300 mm (6 micrometers, aluminum case)	816560	930.77		
11-12	±0.00035	816586	199.43	275-300	5	816552	199.43	0-300 mm (12 micrometers, aluminum case)	816562	1359.68		



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

198.62

Internal Micrometers



- Graduation: 0.001"
- Accuracy: [0.0003+0.00005 (L/2)] L=Max. Measuring Length (Inch)
- Supplied in fitted storage case

2-8 Inch Mic Head Travel: 0.5" **6 Extension Rods** Code 282039

341.25

2-12 Inch Mic Head Travel: 0.5" 10 Extension Rods Code 282040

372.30

8-20 Inch Mic Head Travel: 1" 3 Extension Rods Code 282042

466.22

8-40 Inch Mic Head Travel: 1" 8 Extension Rods Code 282043

1596^{.07}

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



319.27

1.4-2.4 Inch Accuracy: ±0.0009" Code 816188

2-6 Inch Accuracy: ±0.0009"

Code 816192 **333**.25

6-10 Inch Accuracy: ±0.0009" Code 816184

781.80

10-16 Inch Accuracy: ±0.0009" Code 816186

325.95



 ${\it Each \, set \, supplied \, in \, plastic \, moulded \, storage \, case}$

2 Bore Gage SET • 1.4-2 Inch (Indicator/handle not included) Accuracy: ±0.0009" Code 877159 249.95





3 Bore Gage SET

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

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

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

21.30

16.42

19.68

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 - 1/2,12,13,14,15,16,18,20,22,24,26,27,28,30,32,34,36,38,40,42TPI							
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

10

• Supplied in storage pouch

Back



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

17.85

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

37.50



Taper Gage

- 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

26.75

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

14.03

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

40.60

Telescoping Gage Set



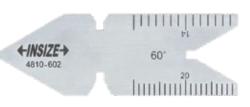
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish
- Supplied in storage pouch

6 Gages 5/16 to 6 Inch Code 816202

58.37

Center Gage

- Unified 60°
- To check and set screw cutting tools, and to check the angle and pitch of the screw thread
- Angle accuracy: ±30min.
- Stainless steel



14ths and 20ths on one side, 24ths and 32nds on opposite side Code 283560

11.12





Edge Finders

• Hardened shank and contact point



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

77.73

• Shank electronically conducted to the metal workpiece through the chuck and table -LED illuminates and beeper sounds when ball touches the workpiece

• Not suitable for rotary use

• Hardened shank and contact ball

• Battery: 23AE, 12V x 1 pc.

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

Shank: Ø3/4" Contact Ball: Ø0.4" Accuracy: ±0.0002" Code 816382

185.77

Precision Dial Indicators

Inch

- ASME B89.1.10M-2001 standards
- Graduation: 0.0005"
- First 2.5 rev. accuracy: ±0.0005"
- Range per rev.: 0.05"
- Dial reading: 0-50
- Bezel locking clamp and limit pointers
- Contact point thread: #4-48UNF
- Supplied in fitted storage case



OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch

Accuracy: ±0.0005" Code 282708

58.32

Accuracy: ±0.0005" Code 282709

 $60^{.15}$

2 Inch Accuracy: ±0.0005" Code 282710

157.65

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: 20um

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

Metric



25mm Accuracy: 60µm Code 816164

OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch Accuracy: ±0.002" Code 816156

51.57

1 Inch Accuracy: ±0.002"

48.68

2 Inch Accuracy: ±0.004" Code 816160

114.68

Optional Magnetic Back

> For 1 Inch **Dial Indicator**



Diameter: 2.126" Code 877212

31.13

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





OPTIONAL ACCESSORY: Contact point (stylus) - series 6284

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

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

139^{.62}

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

186.07

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

11().32

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

112.83

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

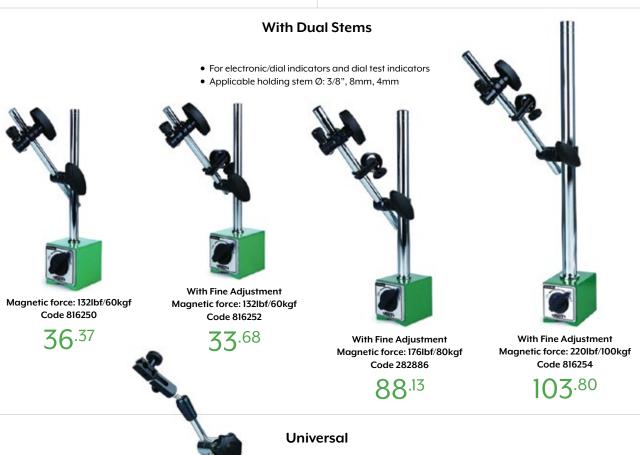
186.85

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

Magnetic Stands







- For electronic/dial indicators and dial test indicators
- $\bullet\,$ With fine adjustment and dovetail groove
- Applicable holding stem diameter: 3/8"

With Fine Adjustment Magnetic force: 176lbf/80kgf Code 877028

242.53



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

51.32

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

0-180° Range Code 283328

 \bigcirc .58

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

0-360° Range, 8 Inch Code 877018



Level



- Code 877182
- **27**.65
- 10 inch with magetic base
- ±0.006"/ft accuracy
- Shockproof horizontal and vertical vials
- Working temperature: 5°F-131°F
- Cast aluminum body
- Vials made in Israel Lifetime warranty

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



4 x 90° Range Code 816396

108.92

Rules

Rigid Rules



12 Inch Accuracy: ±0.003" Accuracy: ±0.004" Code 877203

Code 877201

Accuracy: ±0.006" Code 877202

• 4R graduation

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

7.42

8.38

24 Inch

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

3.28

• Supplied in storage pouch

6 Inch/150mm 8 Inch/200mm 12 Inch/300mm 20 Inch/500mm Code 283596

2.77

Code 283597

Code 283598 **4**.85

Code 283599 11.02

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



1/8" & 1/16" side 1, 1/32" & 1/64" side 2 Code 283344

1/32" & 0.5mm side 1, 1/64" & 1mm side 2 Code 816324

- 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.
- $\bullet\,$ 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

OPTIONAL ACCESSORY: Rigid Rule 283006





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

2023 List Prices subject to change without notice *Products shown may not be exactly as illustrated Code 000325