

# INSIZE

# TOOLS THAT MEASURE UP

## NEW FROM INSIZE



1 YEAR MANUFACTURER'S WARRANTY ON INSIZE TOOLS



Ask your local KAR Distributor for the NEW INSIZE Catalog

EXCLUSIVELY AVAILABLE FROM **KAR** IN CANADA

### MEASURING TOOL SETS



5 Piece Set  
Code 877372

296.<sup>58</sup>

- **Set Includes:**
  - 1) Electronic caliper, range 0-6"/0-150mm, resolution 0.0005"/0.01mm (817000)
  - 2) Outside micrometer, range 0-25mm, graduation 0.01mm (280994)
  - 3) Dial indicator, range 10mm, graduation 0.01mm (282663)
  - 4) Magnetic stand (816252)
  - 5) Micrometer stand (282455)
- Supplied in fitted storage case



6 Piece Set  
Code 877373

289.<sup>67</sup>

- **Set Includes:**
  - 1) Electronic caliper, range 0-6"/0-150mm, resolution 0.0005"/0.01mm (817000)
  - 2) Outside micrometer, range 0-25mm, graduation 0.01mm (280994)
  - 3) 90° beveled edge square, 100 x 70mm, grade 00 (816304)
  - 4) Straight edge, 100mm (283471)
  - 5) Spring divider, 150mm (283897)
  - 6) Steel rule, 200mm/8" (283597)
- Supplied in fitted storage case



9 Piece Set  
Code 877374

313.<sup>25</sup>

- **Set Includes:**
  - 1) Electronic caliper, range 0-6"/0-150mm, resolution 0.0005"/0.01mm (817000)
  - 2) Outside micrometer, range 0-25mm, graduation 0.01mm (280994)
  - 3) Protractor, range 0-180°, graduation 1° (283329)
  - 4) Pitch gage, range 0.25-7mm, 24 pcs., metric 60° thread (283551)
  - 5) Radius gage, range 1-7mm (283564)
  - 6) Feeler gage, range 0.05-1mm, 20 pcs. (283528)
  - 7) 90° beveled edge square, 100x70mm, grade 0 (283356)
  - 8) Scriber (283972)
  - 9) Steel rule, 150mm/6" (283596)
- Supplied in fitted storage case

YOUR AUTHORIZED KAR DISTRIBUTOR:



9651-49 Avenue, Edmonton AB T6E 5Z5

Toll Free: 1-800-661-6496

Tel: 780-437-4220 | Fax: 780-438-5873

**WWW.UNITEDTOOLSUPPLY.COM**

## MAGNIFIERS

### Folding Magnifier



10X Magnification  
0.827" Lens Diamet  
Code 877424

5.85

### Folding Magnifier with Illumination



2.5X Magnification  
1.772" Lens Diameter  
Code 877425

12.55

- Resin lens
- Powered by 2xCR1620 batteries (included)
- LED lights up automatically when  $\alpha$  is over 130°

### Folding Magnifier with Illumination



10X Magnification  
0.867" Lens Diameter  
Code 877426

15.92

- Resin lens
- Powered by 3xLR927 batteries (included)

### Magnification Glasses



5 Lens - 1X, 1.5X, 2X,  
2.5X, 3.5X  
Code 877427

49.99

- Resin lens
- Interchangeable lenses
- Powered by 3 pcs AAA batteries (included)

## MINIATURE ELECTRONIC HEIGHT GAGE

- Measure height difference of two surfaces (I146-20B suitable for surfaces with barrier, such as rivet)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, inch/mm
- Auto power off - move unit to turn power on
- Battery CR2032
- Data output
- Stainless steel

Range: 0±0.8"/0±20mm  
Accuracy: ±0.02mm  
Code 877276

220.78

Range: 0±0.8"/0±20mm  
Accuracy: ±0.02mm  
Code 877277

247.33



## ELECTRONIC INDICATOR WITH FLAT BACK

- Meets ASME B89.1.10M-2001 standards
- Hysteresis: 0.00005"
- Max. measuring force: 0.337lbf
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- Battery CR2032
- Automatic power off (time is adjustable)
- Data output
- Supplied in fitted storage case



Range: 0.5"/12.7mm  
Accuracy: ±0.00015"  
Code 877288

387.30

## DIAL INDICATOR WITH FLAT BACK

- Meets DIN878 standards
- Graduations: 0.01mm
- Hysteresis: 3µm
- Range per rev.: 1mm
- Dial reading: 0-100
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Packed in carton box

Range: 10mm  
Accuracy: 17µm  
Code 877295

46.00



## UNIVERSAL MAGNETIC STANDS

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

Magnetic Force:  
176lbf/80kgf  
Code 877379

195.33



Magnetic Force:  
220lbf/100kgf  
Code 877378

291.88



## MAGNETIC BASE



Magnetic Force:  
176lbf/80kgf  
Code 877380

44.37

# TOOLS THAT MEASURE UP

## ELECTRONIC BLADE MICROMETERS

- Measures the groove diameters of shafts and keyways
- Resolution: 0.00005"/0.001mm
- Button function: on/off, set, inch/mm, data transmit
- Data output
- Battery LR44
- Auto power off
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-1"/0-25mm)
- Supplied in fitted storage case



Range (mm/Inch)	Type	Accuracy	L (mm)	b (mm)	Code	List Price
25-50/1-2	A	±4µm	82	44.5	877318	691.15
75-100/3-4	A	±5µm	132.6	69.5	877311	795.88
100-125/4-5	A	±6µm	158	82	877312	813.93
125-150/5-6	A	±6µm	183.4	94.5	877313	854.45
150-175/6-7	A	±7µm	208.8	107	877314	892.58
0-25/0-1	B	±4µm	57	32	877316	705.45
150-175/6-7	B	±7µm	208.8	107	877315	999.33

## ALUMINUM LEVELS

- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: 5°F-131°F
- Vials made in Israel – Lifetime warranty



Length: 12"  
Accuracy: 0.006in/ft  
Code 877369

30<sup>.70</sup>

Length: 80"  
Accuracy: 0.006in/ft  
Code 877368

107<sup>.07</sup>

## ELECTRONIC ZERO SETTER



Code 877396  
189<sup>.97</sup>

- Resolution: 0.001mm/0.00005"
- Height: 50mm
- Anvil stroke: 2.5mm
- Test force: 10N (at 50mm)
- Accuracy: ±10µm/0.0004"
- Repeatability: 2µm
- IP65 dust/waterproof
- Buttons: on/off, mm/inch, zero
- CR2032 battery
- Automatic power off
- Magnetic base
- Automatic backlight at zero

## COUNTING SCALES

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



Max. weight: 30lbs/15kg .....Code 877429  
Max. weight: 60lbs/30kg .....Code 877430

440<sup>.42</sup>  
/each

## DISK MICROMETER

Range: 0-1"  
Accuracy: ±0.00015"  
Code 281575

138<sup>.94</sup>



- Measure root tangent length of gear
- Graduations: 0.0001"
- Parallelism: 0.0002"
- Ratchet stop
- Supplied with setting standards

## FILLET WELDING GAGE



Code 877366

58<sup>.58</sup>

- Measures concave and convex weld sizes
- 7 blades included: 3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 16mm, 19mm, 22mm, 25mm
- Accuracy: ±0.5mm
- Stainless steel

## TAPER GAGES

- Graduation: 1/64"
- Accuracy: ±0.0039"
- For quick measuring of slot width and various gaps in material and work pieces
- Diameter correction table on back
- Stainless steel
- Supplied in storage pouch

Range: 5/8 - 1-3/16"  
Accuracy: ±0.004"  
Code 877364

26<sup>.60</sup>

Range: 1-3/16 - 1-3/4"  
Accuracy: ±0.004"  
Code 877365

34<sup>.97</sup>



Front Back

## CHAMFER GAGE

- To measure internal and external chamfers
- Graduations: 0.5mm
- Accuracy: ±0.25mm
- Stainless steel



Code 877367

15<sup>.78</sup>

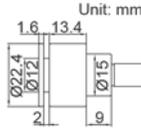


# TOOLS THAT MEASURE UP

EXCLUSIVELY AVAILABLE FROM **KAR** IN CANADA

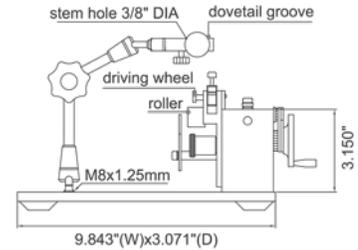
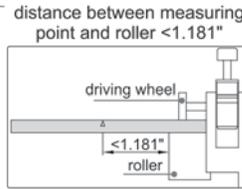
## CONCENTRICITY GAGE

- Accuracy: 0.00008"



1mm-25mm  
Applicable Diameter  
Code 877363

2567.78



## MANUAL ROCKWELL HARDNESS TESTER (BASIC TYPE)



- According to ISO 6508



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	170mm
Max. testing width	135mm (from center of indenter to wall of main body)
Dimensions	466 x 238 x 630mm
Weight	70kg

Code 877443

5125.31

Main unit	1 pc.
Ø58mm flat anvil	1 pc.
Ø150mm flat anvil	1 pc.
V-type anvil	1 pc.
Diamond indenter	1 pc.
Ø1.5875mm steel ball indenter	1 pc.
Ø1.5875mm 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.

## PORTABLE LEEB HARDNESS TESTER (BASIC TYPE)

- According to ASTM A956, DIN 50156, GB/T 17394

- Includes one of each:**  
 Hardness tester  
 Hardness test block D  
 Cleaning brush  
 AAA battery  
 Small support ring  
 Software disc and USB cable



Code 877431

860.40

Resolution	IHLD, IHV, IHB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, ISGM
Accuracy	±6HLD (when HLD=800)
Output	USB
Measuring Range	HL 100-960/HRC 1-74.7/HRB 1.2-140/HB 28-1027/HV 45-1230 HS 4-112/HRA 7-88.5/SGM (rm) 118-3315N/mm <sup>2</sup>
Applicable workpiece	11.02lb (direct measurement)
	minimum weight 4.41lb (on solid support)
	0.11lb (coupled on plate)
minimum thickness	0.2"
minimum radius of curved surface	1.18"
maximum roughness (Ra)	80µin
Power supply	1xAAA battery
Dimensions (Inch)	5.83 x 1.77 x 0.83
Weight (lbs)	0.23
Code	877431



**KAR Industrial Inc.**  
www.kar.ca

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 Montréal .....1-800-363-7862  
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 \*Products shown may not be exactly as illustrated Code 000331

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