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## QUALITY

Quality products manufactured according to international standards with full guarantee.



## INNOVATION

Innovation by continuously striving to improve and develop new products.



## SERVICES

Service and assistance to ensure a smooth use of our products.



## VALUE

High performance products at an exceptional value.

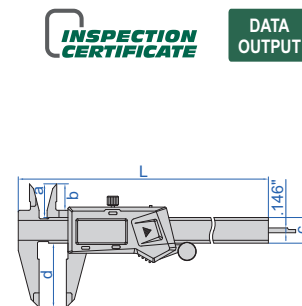


## DIGITAL CALIPERS (STANDARD TYPE)

- Non-waterproof
- 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: wireless transmitter part no. **7315-25** (receiver is needed), accessory set for digital calipers (part no. **6144**, only for range 0-6" and 0-8"), depth base attachment (part no. **6140**)



1108-150



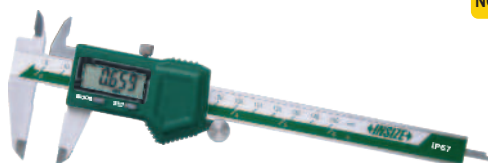
INSPECTION  
CERTIFICATE

DATA  
OUTPUT

| Part No. | Range         | Accuracy | L       | a     | b     | c     | d      | Price (CAD)   |
|----------|---------------|----------|---------|-------|-------|-------|--------|---------------|
| 1108-150 | 0-6"/0-150mm  | ±.0010"  | 9.291"  | .827" | .630" | .630" | 1.575" | <b>66.25</b>  |
| 1108-200 | 0-8"/0-200mm  | ±.0015"  | 11.260" | .945" | .748" | .630" | 1.969" | <b>91.39</b>  |
| 1108-300 | 0-12"/0-300mm | ±.0015"  | 15.748" | .984" | .807" | .630" | 2.362" | <b>159.90</b> |

## IP67 WATERPROOF DIGITAL CALIPERS

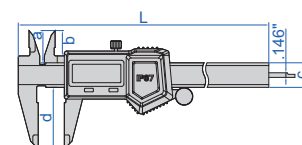
- IP67 dust/waterproof
- Resolution: .0005"/0.01mm
- Button function: zero, on/off, inch/mm, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: accessory set for digital calipers (part no. **6144**, only for range 0-6" and 0-8"), depth base attachment (part no. **6140**)



1118-150B

ATTENTION:  
NO DATA OUTPUT

ATTENTION: IT IS NECESSARY TO SET  
ZERO AFTER POWER ON EACH TIME



INSPECTION  
CERTIFICATE

IP67  
WATERPROOF

| Part No.  | Range         | Accuracy | L       | a     | b     | c     | d      | Price (CAD)   |
|-----------|---------------|----------|---------|-------|-------|-------|--------|---------------|
| 1118-150B | 0-6"/0-150mm  | ±.0015"  | 9.291"  | .827" | .630" | .630" | 1.575" | <b>235.00</b> |
| 1118-200B | 0-8"/0-200mm  | ±.0015"  | 11.260" | .945" | .748" | .630" | 1.969" | <b>380.78</b> |
| 1118-300B | 0-12"/0-300mm | ±.0015"  | 15.748" | .984" | .807" | .630" | 2.362" | <b>398.90</b> |

## DIGITAL CALIPERS

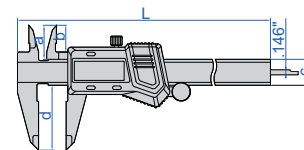
INSPECTION  
CERTIFICATE

ATTENTION:  
NO DATA OUTPUT

- Non-waterproof
- Zinc alloy housing for digital unit
- Resolution: 0.005"/0.01mm
- Buttons: zero, on/off, inch/mm
- Automatic power-off , move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory:  
accessory set for digital calipers (part no. **6144**, only for range 0-6" and 0-8"), depth base attachment (part no. **6140**)



1114-150A

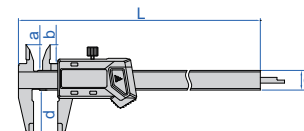


| Part No.         | Range         | Accuracy | L       | a     | b     | c     | d      | Price (CAD)   |
|------------------|---------------|----------|---------|-------|-------|-------|--------|---------------|
| <b>1114-150A</b> | 0-6"/0-150mm  | ±.0012"  | 9.291"  | .827" | .630" | .630" | 1.575" | <b>89.75</b>  |
| <b>1114-200A</b> | 0-8"/0-200mm  | ±.0012"  | 11.260" | .945" | .748" | .630" | 1.969" | <b>122.00</b> |
| <b>1114-300A</b> | 0-12"/0-300mm | ±.0012   | 15.748" | .984" | .807" | .630" | 2.362" | <b>210.00</b> |

## MINI DIGITAL CALIPER

ATTENTION:  
NO DATA OUTPUT

- Non-waterproof
- 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      | a     | b     | c     | d      | Price (CAD)  |
|------------------|--------------|----------|--------|-------|-------|-------|--------|--------------|
| <b>1111-100A</b> | 0-4"/0-100mm | ±.0010"  | 6.693" | .669" | .492" | .512" | 1.181" | <b>98.00</b> |

## DIGITAL CALIPERS (FRACTION READING)

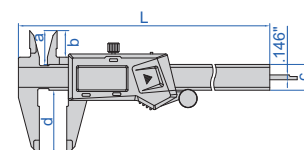
INSPECTION  
CERTIFICATE

DATA  
OUTPUT

- Non-waterproof
- Resolution: 1/128", 0.01mm, .0005"
- Buttons: unit (inch fraction/mm/inch), on/off, zero
- Automatic power-off , move the digital unit to turn on power
- Battery CR2032, data output (for mm and inch)
- Made of stainless steel
- Optional accessory:  
wireless transmitter part no. **7315-25** (receiver is needed),  
accessory set for digital calipers (part no. **6144**, only for range 0-6" and 0-8"), depth base attachment (part no. **6140**)



1102-150

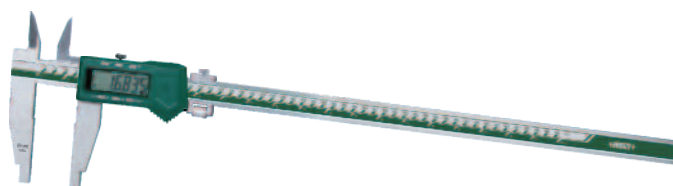


| Part No.        | Range         | Accuracy | L       | a     | b     | c     | d      | Price (CAD)   |
|-----------------|---------------|----------|---------|-------|-------|-------|--------|---------------|
| <b>1102-150</b> | 0-6"/0-150mm  | ±.0010"  | 9.291"  | .827" | .630" | .630" | 1.575" | <b>115.72</b> |
| <b>1102-200</b> | 0-8"/0-200mm  | ±.0015"  | 11.260" | .945" | .748" | .630" | 1.969" | <b>172.68</b> |
| <b>1102-300</b> | 0-12"/0-300mm | ±.0015   | 15.748" | .984" | .807" | .630" | 2.362" | <b>250.78</b> |

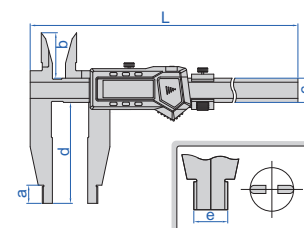
## DIGITAL CALIPERS

DATA  
OUTPUT

- Resolution: .0005"/0.01mm
- Button function: on/off, zero, inch/mm, ABS, data preset
- Battery CR2032, data output
- Made of stainless steel



1133-24



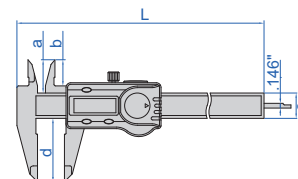
With data interface (optional wireless transmitter part no. **7315-25**, receiver is needed)

| Part No.       | Range          | Accuracy | L       | a     | b      | c      | d      | e     | Price (CAD)    |
|----------------|----------------|----------|---------|-------|--------|--------|--------|-------|----------------|
| <b>1133-24</b> | 0-24"/0-600mm  | ±.0020"  | 30.315" | .709" | 1.772" | .945"  | 3.937" | .800" | <b>997.50</b>  |
| <b>1133-40</b> | 0-40"/0-1000mm | ±.0030"  | 48.031" | .945" | 2.362" | 1.220" | 5.906" | .800" | <b>1975.00</b> |

## PLASTIC DIGITAL CALIPER

ATTENTION:  
NO DATA OUTPUT

- Non-waterproof
- Made of hard plastic, non-magnetic and non-electric conductive
- Prevent workpieces from scratching by calipers
- Buttons: on/off, zero, inch/mm
- Battery CR2032
- Automatic power-off



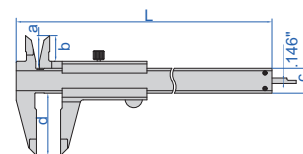
| Part No. | Range        | Resolution    | Accuracy          |            | L      | a     | b     | c     | d      | Price (CAD) |
|----------|--------------|---------------|-------------------|------------|--------|-------|-------|-------|--------|-------------|
|          |              |               | external/internal | step/depth |        |       |       |       |        |             |
| 1139-150 | 0-6"/0-150mm | .0005"/0.01mm | ±.004"            | ±.008"     | 9.252" | .768" | .591" | .630" | 1.575" | 32.09       |

## VERNIER CALIPERS

- Graduation: .001"/0.02mm
- Made of stainless steel
- Satin chrome-plated reading surface



1205-1502E



| Part No.   | Range         | Accuracy | L       | a      | b     | c     | d      | Price (CAD) |
|------------|---------------|----------|---------|--------|-------|-------|--------|-------------|
| 1205-1502E | 0-6"/0-150mm  | ±.0012"  | 9.252"  | .807"  | .610" | .630" | 1.575" | 64.57       |
| 1205-2002E | 0-8"/0-200mm  | ±.0012"  | 11.417" | .925"  | .748" | .669" | 1.969" | 97.88       |
| 1205-3002E | 0-12"/0-300mm | ±.0012"  | 16.299" | 1.083" | .866" | .787" | 2.520" | 169.50      |

## DIAL CALIPERS

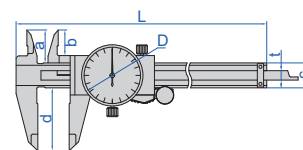
INSPECTION  
CERTIFICATE

SHOCK  
PROOF

- Shockproof dial indicator
- Made of stainless steel



1311-6

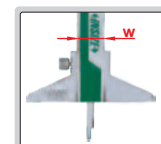
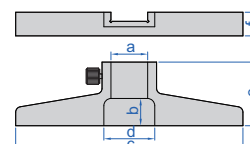


Dial indicator graduation .001"

| Part No. | Range | Accuracy | L       | a      | b     | c     | d      | D          | t     | Price (CAD) |
|----------|-------|----------|---------|--------|-------|-------|--------|------------|-------|-------------|
| 1311-6   | 0-6"  | ±.0015"  | 9.252"  | .827"  | .650" | .630" | 1.575" | 1.535" DIA | .256" | 91.75       |
| 1311-8   | 0-8"  | ±.0020"  | 11.339" | .945"  | .748" | .630" | 1.890" | 1.535" DIA | .256" | 114.18      |
| 1311-12  | 0-12" | ±.0020"  | 16.142" | 1.102" | .866" | .787" | 2.441" | 1.752" DIA | .295" | 178.03      |

## DEPTH BASE ATTACHMENT

- To increase the stability of depth measurement
- Made of stainless steel
- Type: narrow base

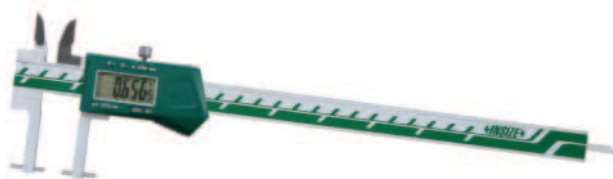


| Part No. | a     | b     | c      | d     | e      | f     | Application                                                                                                      | Price (CAD) |
|----------|-------|-------|--------|-------|--------|-------|------------------------------------------------------------------------------------------------------------------|-------------|
| 6140     | .650" | .354" | 2.953" | .709" | 1.181" | .236" | suitable for 1195/1118/1113/1108/1103/1114/1109/1130/1193/1110 series digital calipers with beam width (w) .630" | 31.00       |

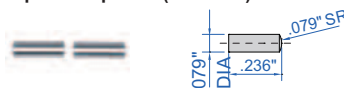
## DIGITAL CALIPER WITH INTERCHANGEABLE POINTS

DATA  
OUTPUT

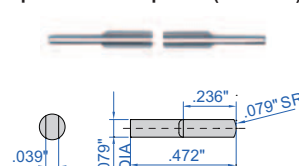
- Non-waterproof
- Supplied with 3 pairs of points and zero-setting block for external measurement
- Resolution: .0005"/0.01mm
- Buttons: on/off, set, inch/mm, preset (+, -)
- Automatic power-off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points



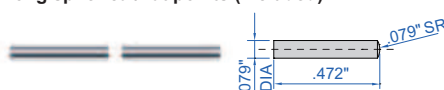
### short spherical points (included)



### spherical blade points (included)

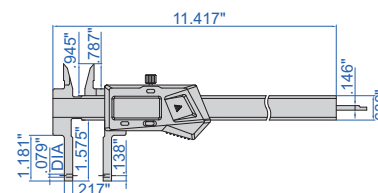


### long spherical/flat points (included)



| Part No. | Wireless transmitter (optional) | Price (CAD) |
|----------|---------------------------------|-------------|
| 1526-200 | 7315-25 (receiver is needed)    | 484.76      |

| Point                      | Range                                                   | Accuracy | Application                                                                  |
|----------------------------|---------------------------------------------------------|----------|------------------------------------------------------------------------------|
| short spherical points     | .5-8.5"/12-212mm (internal)                             | ±.0015"  | for grooves inside small hole                                                |
| long spherical/flat points | 1-8.8"/24-224mm (internal)<br>0-7.5"/0-187mm (external) | ±.0015"  | spherical points for grooves inside hole<br>flat points for external grooves |
| spherical blade points     | 1-8.8"/24-224mm (internal)<br>0-7.5"/0-187mm (external) | ±.0015"  | for narrow grooves inside hole                                               |



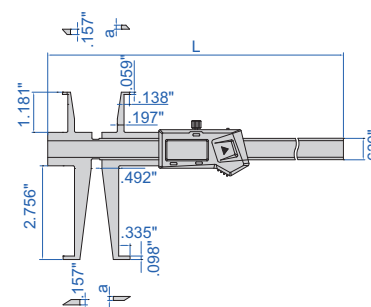
## DIGITAL INSIDE GROOVE CALIPERS

DATA  
OUTPUT

- Measure diameter of grooves inside bores
- Resolution: .0005"/0.01mm
- Buttons: on/off, set, inch/mm, preset (+, -)
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (part no. 6143)



1176-150



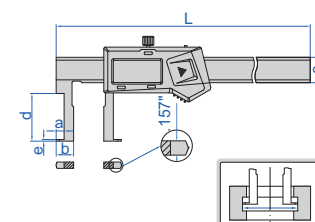
### Non-waterproof, with data interface

| Part No. | Range of upper jaw | Range of lower jaw | Accuracy | L       | a     | Wireless transmitter (optional) | Price (CAD) |
|----------|--------------------|--------------------|----------|---------|-------|---------------------------------|-------------|
| 1176-150 | .35-6"/9-150mm     | .70-6"/17-150mm    | ±.0015"  | 10.236" | .118" | 7315-25 (receiver is needed)    | 439.00      |
| 1176-200 | .35-8"/9-200mm     | .70-8"/17-200mm    | ±.0020"  | 12.598" | .138" |                                 | 499.09      |

## DIGITAL INSIDE GROOVE CALIPER

DATA  
OUTPUT

- Measure groove diameter
- Resolution: .0005"/0.01mm
- Buttons: on/off, set, inch/mm, preset (+, -)
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (part no. 6143)



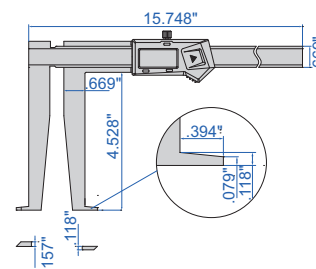
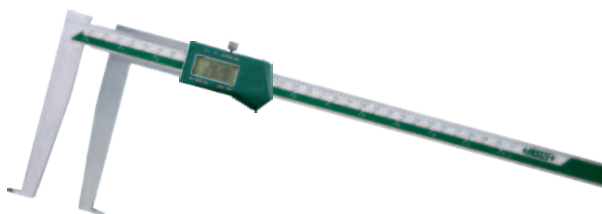
### No waterproof, preset (no need to add the width of the jaws on the reading), with data interface

| Part No.   | Range           | Accuracy | L      | a     | b     | c     | d      | e     | Wireless transmitter (optional) | Price (CAD) |
|------------|-----------------|----------|--------|-------|-------|-------|--------|-------|---------------------------------|-------------|
| 1120-150AE | 1-6"/25.4-150mm | ±.0015"  | 9.843" | .197" | .500" | .630" | 1.181" | .039" | 7315-25 (receiver is needed)    | 299.00      |

## DIGITAL INSIDE GROOVE CALIPER

DATA  
OUTPUT

- Measure diameter of grooves inside bores
- Buttons: on/off, set, inch/mm, preset (+, -)
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (part no. 6143)



Non-waterproof, with data interface

| Part No. | Range             | Accuracy | Resolution    | Wireless transmitter (optional) | Price (CAD) |
|----------|-------------------|----------|---------------|---------------------------------|-------------|
| 1178-300 | 1.18-12"/25-300mm | ±.0020"  | .0005"/0.01mm | 7315-25 (receiver is needed)    | 575.86      |

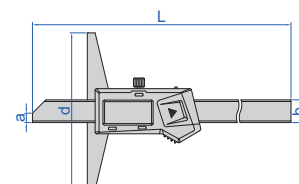
## DIGITAL DEPTH GAUGES (STANDARD TYPE)

DATA  
OUTPUT

- Non-waterproof
- Buttons: on/off, zero, inch/mm
- Automatic power-off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory:  
wireless transmitter part no. 7315-25 (receiver is needed)



1141-150A



| Part No.  | Range         | Resolution    | Accuracy | L       | a     | b     | d      | Price (CAD) |
|-----------|---------------|---------------|----------|---------|-------|-------|--------|-------------|
| 1141-150A | 0-6"/0-150mm  | .0005"/0.01mm | ±.0015"  | 9.055"  | .236" | .571" | 3.937" | 128.37      |
| 1141-200A | 0-8"/0-200mm  | .0005"/0.01mm | ±.0015"  | 11.024" | .236" | .571" | 3.937" | 155.79      |
| 1141-300A | 0-12"/0-300mm | .0005"/0.01mm | ±.0015"  | 14.961" | .236" | .571" | 5.906" | 331.22      |
| 1141-500A | 0-20"/0-500mm | .0005"/0.01mm | ±.0020"  | 23.031" | .276" | .591" | 5.906" | 602.72      |

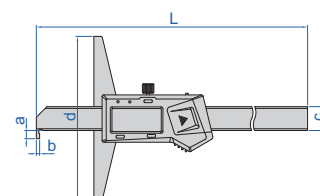
## DIGITAL HOOK DEPTH GAUGES

DATA  
OUTPUT

- Non-waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset (+, -)
- Automatic power-off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1142-300A

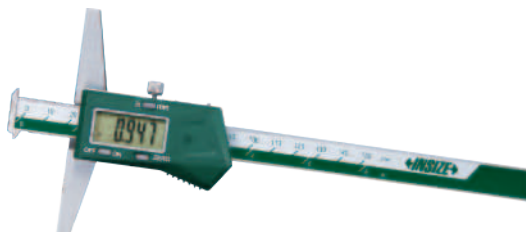


| Part No.  | Range         | Accuracy | L       | d      | a     | b     | c     | Wireless transmitter (optional) | Price (CAD) |
|-----------|---------------|----------|---------|--------|-------|-------|-------|---------------------------------|-------------|
| 1142-300A | 0-12"/0-300mm | ±.0015"  | 14.961" | 5.906" | .197" | .079" | .571" | 7315-25 (receiver is needed)    | 434.51      |
| 1142-500A | 0-20"/0-500mm | ±.0020"  | 23.031" | 5.906" | .315" | .118" | .591" | 7315-22 (receiver is needed)    | 858.54      |

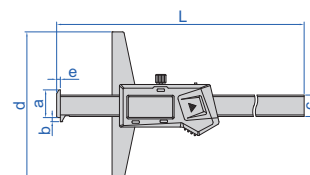
## DIGITAL DOUBLE HOOK DEPTH GAUGES

DATA  
OUTPUT

- Non-waterproof
- Resolution: .0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Automatic power-off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1144-150A



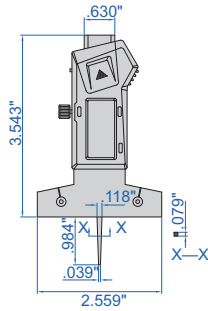
| Part No.   | Range         | Accuracy | L       | a     | b     | c     | d      | e     | Wireless transmitter (optional) | Price (CAD) |
|------------|---------------|----------|---------|-------|-------|-------|--------|-------|---------------------------------|-------------|
| 1144-150A  | 0-6"/0-150mm  | ±.0015"  | 9.173"  | .846" | .138" | .571" | 3.937" | .098" | 7315-25 (receiver is needed)    | 198.85      |
| 1144-200A  | 0-8"/0-200mm  | ±.0015"  | 11.142" | .846" | .138" | .571" | 3.937" | .098" |                                 | 260.60      |
| 1144-300A  | 0-12"/0-300mm | ±.0015"  | 15.079" | .846" | .138" | .571" | 5.906" | .098" |                                 | 447.65      |
| 1144-5001A | 0-20"/0-500mm | ±.0020"  | 23.031" | .984" | .197" | .591" | 7.874" | .118" | 7315-22 (receiver is needed)    | 1087.00     |

## MINI DIGITAL DEPTH GAUGE



DATA  
OUTPUT

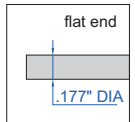
- Non-waterproof
- Measure depth of small groove and hole, also measure depth of tire tread
- Buttons: on/off, zero, inch/mm
- Supplied with zero set surface
- Automatic power-off , move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Resolution: .0005"/0.01mm



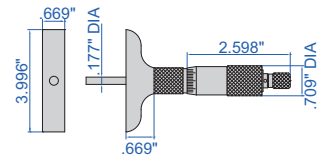
With data interface  
(optional wireless transmitter code 7315-25, receiver is needed)

| Part No. | Range       | Accuracy | Price (CAD) |
|----------|-------------|----------|-------------|
| 1145-25A | 0-1"/0-25mm | ±.0015"  | 126.63      |

## DEPTH MICROMETER



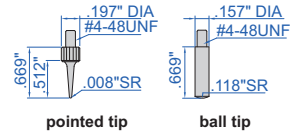
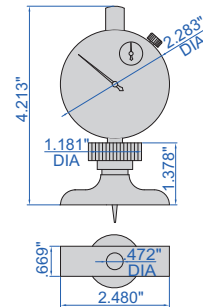
- Rod accuracy:  $\pm[.001 + .0005(L/3)]$ , L is the measuring range in inch
- Rods with flat end
- Ratchet stop
- Micrometer head accuracy:  $\pm.00012$ "



| Part No. | Range | Rods  | Graduation | Price (CAD) |
|----------|-------|-------|------------|-------------|
| 3240-6   | 0-6"  | 6 pcs | .001"      | 203.97      |

## DIAL DEPTH GAUGE

- Stainless steel base
- Supplied with pointed tip and ball tip



| Part No. | Range  | Dial indicator stroke | Dial indicator graduation | Accuracy | Price (CAD) |
|----------|--------|-----------------------|---------------------------|----------|-------------|
| 2341-E1  | 0-1.2" | .5"                   | .0001"                    | ±.0012"  | 125.76      |

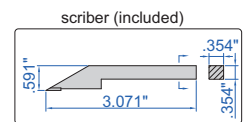
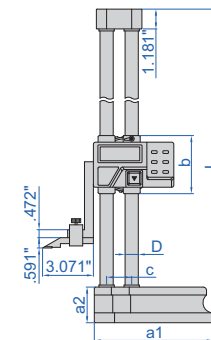
## DIGITAL DEPTH GAUGES

DATA  
OUTPUT

- Non-waterproof
- Resolution: .0005"/0.01mm
- Buttons: on/off, zero, inch/mm, data hold, ABS/INC, preset
- ABS/INC is for absolute and incremental measurement
- Automatic power-off , move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Battery CR2032, data output
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory:  
wireless transmitter part no. 7315-1151 (receiver is needed),  
clamp for protractors (part no. 2372-CLAMP)



1151-300AE



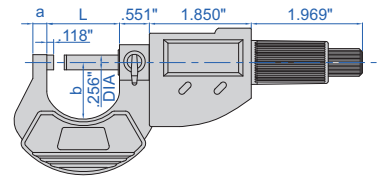
| Part No.   | Range         | Accuracy | L       | a1     | a2     | b      | c      | D         | Price (CAD) |
|------------|---------------|----------|---------|--------|--------|--------|--------|-----------|-------------|
| 1151-300AE | 0-12"/0-300mm | ±.0015"  | 18.701" | 5.315" | 1.693" | 3.307" | 1.299" | .591" DIA | 1028.00     |
| 1151-450AE | 0-18"/0-450mm | ±.0020"  | 25.984" | 7.087" | 2.126" | 3.465" | 1.496" | .787" DIA | 1397.40     |
| 1151-600AE | 0-24"/0-600mm | ±.0020"  | 31.890" | 7.087" | 2.126" | 3.465" | 1.496" | .787" DIA | 1799.71     |

## DIGITAL OUTSIDE MICROMETER (BASIC TYPE, WITHOUT DATA OUTPUT)



ATTENTION:  
NO DATA OUTPUT

- Resolution: .00005"/0.001mm
- Button functions: on/off, set, inch/mm, ABS/INC
- No data output
- Automatic power-off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil



| Part No. | Range       | Accuracy | L      | a     | b      | Price (CAD)   |
|----------|-------------|----------|--------|-------|--------|---------------|
| 3109-25E | 0-1"/0-25mm | ±.00010" | 1.260" | .236" | 1.102" | <b>125.72</b> |

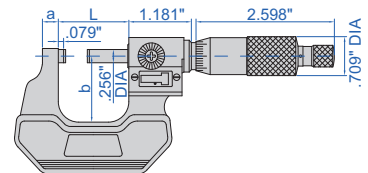
## OUTSIDE MICROMETERS WITH COUNTER



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



3400-1



| Part No. | Range | Accuracy | L      | a     | b      | Price (CAD)   |
|----------|-------|----------|--------|-------|--------|---------------|
| 3400-1   | 0-1"  | .00015"  | 1.260" | .236" | 1.024" | <b>116.00</b> |
| 3400-2   | 1-2"  | .00015"  | 2.244" | .315" | 1.260" | <b>155.00</b> |
| 3400-3   | 2-3"  | .00020"  | 3.228" | .315" | 1.752" | <b>165.00</b> |

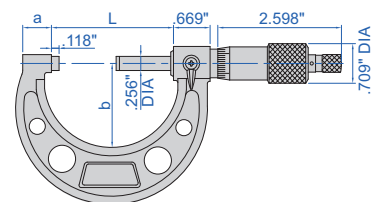
## OUTSIDE MICROMETERS



- Graduation: metric .001mm; inch .0001"
- Carbide measuring faces
- Supplied with setting standards (except 0-1")



3203-2A



### Individual (ratchet stop type)

| Part No. | Range  | Accuracy | L       | a     | b      | Price (CAD)   |
|----------|--------|----------|---------|-------|--------|---------------|
| 3203-1A* | 0-1"   | ±.0001"  | 1.260"  | .354" | 1.102" | <b>43.36</b>  |
| 3203-2A* | 1-2"   | ±.0001"  | 2.244"  | .551" | 1.496" | <b>48.86</b>  |
| 3203-3A* | 2-3"   | ±.0001"  | 3.228"  | .591" | 1.929" | <b>54.25</b>  |
| 3203-4A* | 3-4"   | ±.00015" | 4.213"  | .591" | 2.362" | <b>59.98</b>  |
| 3203-5A* | 4-5"   | ±.00015" | 5.236"  | .650" | 2.874" | <b>85.90</b>  |
| 3203-6A* | 5-6"   | ±.00015" | 6.220"  | .650" | 3.346" | <b>97.58</b>  |
| 3203-7A  | 6-7"   | ±.0002"  | 7.205"  | .764" | 4.094" | <b>124.44</b> |
| 3203-8A  | 7-8"   | ±.0002"  | 8.228"  | .764" | 4.606" | <b>132.31</b> |
| 3203-9A  | 8-9"   | ±.0002"  | 9.213"  | .764" | 5.118" | <b>142.86</b> |
| 3203-10A | 9-10"  | ±.00025" | 10.236" | .764" | 5.591" | <b>159.93</b> |
| 3203-11A | 10-11" | ±.00025" | 11.220" | .764" | 6.102" | <b>177.11</b> |
| 3203-12A | 11-12" | ±.00025" | 12.205" | .764" | 6.614" | <b>187.92</b> |

### Set (ratchet stop type)

| Part No.   | Range | Micrometers included                                                                                          | Price (CAD)    |
|------------|-------|---------------------------------------------------------------------------------------------------------------|----------------|
| 3203-33A*  | 0-3"  | 3203-1A, 3203-2A, 3203-3A                                                                                     | <b>147.01</b>  |
| 3203-66A*  | 0-6"  | 3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A                                                          | <b>336.17</b>  |
| 3203-126A  | 6-12" | 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A                                                       | <b>895.50</b>  |
| 3203-1212A | 0-12" | 3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A, 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A | <b>1276.62</b> |

### Metric micrometer set (ratchet stop type)

| Part No.   | Range  | Micrometers included         | Price (CAD)   |
|------------|--------|------------------------------|---------------|
| 3203-753A* | 0-75mm | 3203-25A, 3203-50A, 3203-75A | <b>166.94</b> |

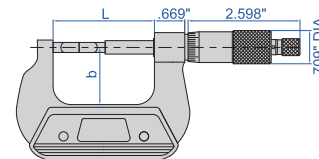
\* Supplied with manufacturer inspection certificate

## BLADE MICROMETERS

- Measure the groove diameter of shafts and keyways
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-1")



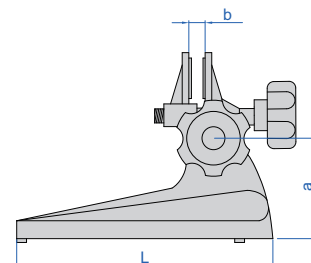
3232-1



NON-ROTATING  
SPINDLE

| Part No. | Range | Accuracy | Graduation | L      | b      | Price (CAD) |
|----------|-------|----------|------------|--------|--------|-------------|
| 3232-1   | 0-1"  | .00015"  | .0001"     | 2.244" | 1.260" | 281.43      |
| 3232-2   | 1-2"  | .00015"  | .0001"     | 3.228" | 1.752" | 304.45      |
| 3232-3   | 2-3"  | .00020"  | .0001"     | 4.213" | 2.244" | 343.82      |
| 3232-4   | 3-4"  | .00020"  | .0001"     | 5.220" | 2.736" | 372.53      |
| 3232-5   | 4-5"  | .00025"  | .0001"     | 6.220" | 3.228" | 414.88      |
| 3232-6   | 5-6"  | .00025"  | .0001"     | 7.220" | 3.720" | 448.67      |
| 3232-7   | 6-7"  | .00030"  | .0001"     | 8.220" | 4.213" | 505.30      |

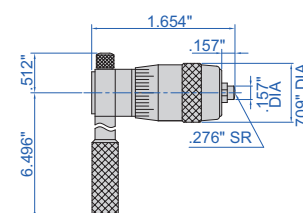
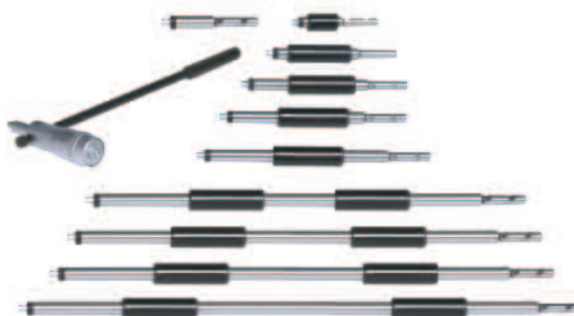
## MICROMETER STAND



| Part No. | L      | a      | b       | Remark                            | Price (CAD) |
|----------|--------|--------|---------|-----------------------------------|-------------|
| 6301     | 6.417" | 2.559" | 0-.787" | suitable for micrometers up to 4" | 43.69       |

## TUBULAR INSIDE MICROMETER

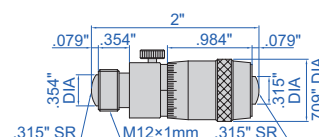
- Accuracy:  $[\pm 0.0003 + 0.00005(L/2)]$ "  
L=maximum measuring length (inch)
- Optional accessory: setting ring (part no. 6313), gauge block accessory (part no. 6881), cylinder gauge block (part no. 4001), caliper/height gauge checker (part no. 6884)



| Part No. | Range | Graduation | Travel of micrometer head | Extension rods | Price (CAD) |
|----------|-------|------------|---------------------------|----------------|-------------|
| 3221-12  | 2-12" | .001"      | .5"                       | 10 pcs         | 308.41      |

## TUBULAR INSIDE MICROMETER

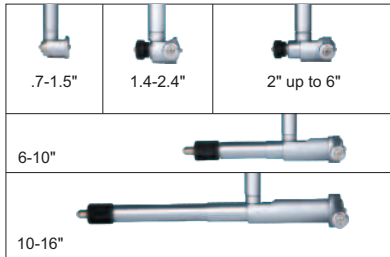
- Accuracy:  $[\pm 0.00005(3+n+L/2)]$ "  
n=number of rods,  
L=maximum measuring length (inch)
- Supplied with setting standards
- Carbide measuring faces



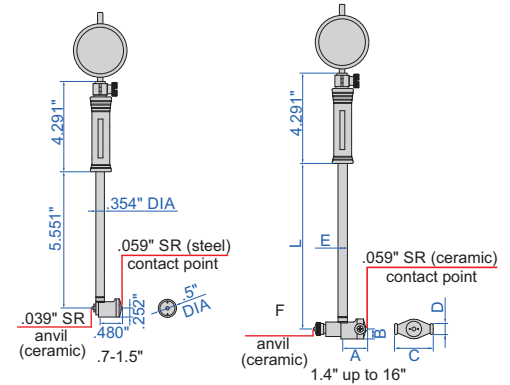
| Part No. | Range | Graduation | Travel of micrometer head | Extension rods          | Price (CAD) |
|----------|-------|------------|---------------------------|-------------------------|-------------|
| 3222-12  | 2-12" | .001"      | .5"                       | .5", 1", 2" (2 pcs), 4" | 278.64      |

## BORE GAUGES (WITH DIAL INDICATOR)

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



2323-6



- Optional accessory: setting ring (part no. **6313**), long handle (part no. **7351**), bore gauge setter

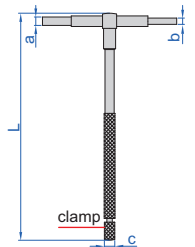
| Part No. | Range    | Accuracy | Repeatability | Indicator                                           | Price (CAD)   |
|----------|----------|----------|---------------|-----------------------------------------------------|---------------|
| 2323-15  | .7-1.5"  | ±.00075" | .00015"       | dial indicator,<br>range .25",<br>graduation .0005" | <b>196.85</b> |
| 2323-24  | 1.4-2.4" | ±.0009"  | .00015"       |                                                     | <b>192.03</b> |
| 2323-6   | 2-6"     | ±.0009"  | .00015"       |                                                     | <b>202.13</b> |
| 2323-10  | 6-10"    | ±.0009"  | .00015"       |                                                     | <b>279.55</b> |
| 2323-16  | 10-16"   | ±.0009"  | .00015"       |                                                     | <b>317.26</b> |

| Range    | A      | B     | C      | D (DIA) | E (DIA) | F       | L      |
|----------|--------|-------|--------|---------|---------|---------|--------|
| 1.4-2.4" | .866"  | .354" | 1.063" | .512"   | .504"   | .079" R | 5.551" |
| 2-6"     | 1.024" | .354" | 1.378" | .512"   | .504"   | .079" R | 5.551" |
| 6-10"    | 2.224" | .512" | 2.933" | .591"   | .571"   | .079" R | 9.488" |
| 10-16"   | 3.406" | .591" | 3.996" | .591"   | .571"   | .098" R | 9.488" |

## TELESCOPING GAUGE SET

- 6 gauges per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

| Range        | L      | a (DIA) | b (DIA) | c (DIA) |
|--------------|--------|---------|---------|---------|
| 5/16~1/2"    | 4.567" | .154"   | .114"   | .185"   |
| 1/2~3/4"     | 4.409" | .209"   | .150"   | .185"   |
| 3/4~1-1/4"   | 4.409" | .209"   | .150"   | .185"   |
| 1-1/4~2-1/8" | 5.315" | .295"   | .228"   | .244"   |
| 2-1/8~3-1/2" | 5.315" | .295"   | .228"   | .244"   |
| 3-1/2~6"     | 5.394" | .295"   | .228"   | .244"   |



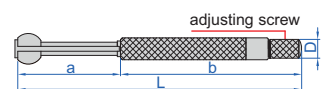
| Part No. | Total range | Gauges included                                                       | Price (CAD)  |
|----------|-------------|-----------------------------------------------------------------------|--------------|
| 4206-1   | 5/16~6"     | 5/16~1/2", 1/2~3/4", 3/4~1-1/4", 1-1/4~2-1/8", 2-1/8~3-1/2", 3-1/2~6" | <b>58.37</b> |

## SMALL HOLE GAUGE SET

- 4 gauges per set
- For small holes, slots and grooves, etc.
- Satin chrome finish



4208-1



| Part No. | Total range | Gauges included                  | Price (CAD)  |
|----------|-------------|----------------------------------|--------------|
| 4208-1   | .125~.5"    | .125~.2", .2~.3", .3~.4", .4~.5" | <b>40.60</b> |

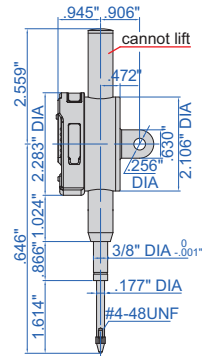
| Range    | L      | a      | b      | D         |
|----------|--------|--------|--------|-----------|
| .125~.2" | 2.992" | .827"  | 2.047" | .197" DIA |
| .2~.3"   | 3.110" | .945"  | 2.047" | .197" DIA |
| .3~.4"   | 3.465" | 1.181" | 2.283" | .236" DIA |
| .4~.5"   | 3.583" | 1.181" | 2.283" | .236" DIA |

## DIGITAL INDICATOR (STANDARD TYPE)

INSPECTION  
CERTIFICATE

DATA  
OUTPUT

- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- Battery CR2032, automatic power-off (time is adjustable)
- Optional accessory: wireless transmitter part no. **7315-50M** (receiver is needed)



Resolution .0005"/0.01mm

| Part No. | Range     | Accuracy | Hysteresis | Maximum measuring force | Cap         | Remark   | Price (CAD)   |
|----------|-----------|----------|------------|-------------------------|-------------|----------|---------------|
| 2112-25E | 1"/25.4mm | ±.0015"  | .0005"     | .495lbf                 | cannot lift | lug back | <b>191.39</b> |

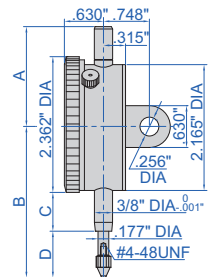
## DIAL INDICATORS

INSPECTION  
CERTIFICATE

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



2307-1



| Part No. | Range | Graduation | Accuracy      |         | Range/rev | Maximum measuring force | Price (CAD)   |
|----------|-------|------------|---------------|---------|-----------|-------------------------|---------------|
|          |       |            | first 2.5 rev | overall |           |                         |               |
| 2307-05  | .5"   | .001"      | ±.001"        | ±.002"  | .1"       | .405lbf                 | <b>48.30</b>  |
| 2307-1   | 1"    | .001"      | ±.001"        | ±.002"  | .1"       | .405lbf                 | <b>39.94</b>  |
| 2307-2   | 2"    | .001"      | ±.001"        | ±.004"  | .1"       | .562lbf                 | <b>108.62</b> |
| 2307-055 | .5"   | .0005"     | ±.0005"       | ±.0015" | .05"      | .405lbf                 | <b>51.92</b>  |
| 2307-105 | 1"    | .0005"     | ±.0005"       | ±.002"  | .05"      | .405lbf                 | <b>53.46</b>  |

| Range | A      | B      | C      | D      |
|-------|--------|--------|--------|--------|
| .25"  | 1.811" | 2.953" | .787"  | .984"  |
| .5"   | 1.811" | 2.953" | .787"  | .984"  |
| 1"    | 1.811" | 3.346" | .787"  | 1.378" |
| 2"    | 4.370" | 5.472" | 1.969" | 2.323" |

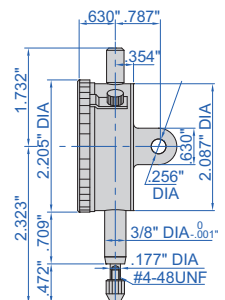
## PRECISION DIAL INDICATOR

INSPECTION  
CERTIFICATE

SHOCK  
PROOF

JEWELLED  
BEARING

- Meet ASME B89.1.10M-2001
- Shockproof
- Jeweled bearing
- With lug back
- Maximum measuring force: .562lbf
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points



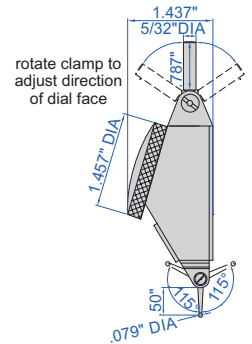
| Part No. | Range | Graduation | Accuracy      |         | Range/rev | Cap         | Dial reading | Price (CAD)   |
|----------|-------|------------|---------------|---------|-----------|-------------|--------------|---------------|
|          |       |            | first 2.5 rev | overall |           |             |              |               |
| 2315-05  | .05"  | .0001"     | ±.0001"       | ±.0003" | .01"      | cannot lift | 0-100        | <b>147.95</b> |

## LARGE RANGE DIAL TEST INDICATOR



JEWELLED BEARING

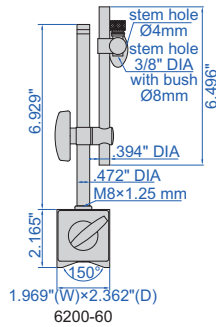
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti-magnetic body
- Supplied with two clamps: 5/32" DIA and 3/8" DIA
- Optional accessory: styli



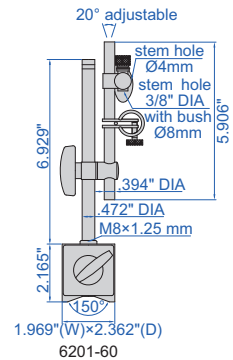
## MAGNETIC STANDS



6200-60



6201-60



- For digital/dial indicators and dial test indicators

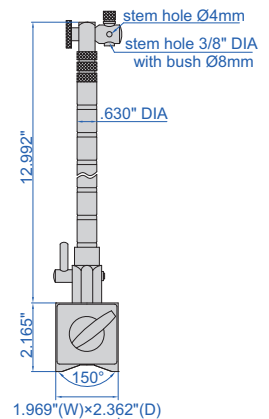
| Part No. | Magnetic force | Applicable holding stem | Remark                  | Price (CAD) |
|----------|----------------|-------------------------|-------------------------|-------------|
| 6200-60  | 132lbf         | 3/8" DIA, Ø8mm, Ø4mm    | without fine adjustment | 40.61       |
| 6201-60  | 132lbf         | 3/8" DIA, Ø8mm, Ø4mm    | with fine adjustment    | 32.59       |

## FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



- For dial test indicators

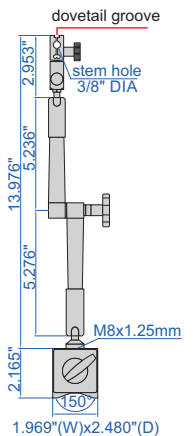


| Part No. | Magnetic force | Applicable holding stem | Price (CAD) |
|----------|----------------|-------------------------|-------------|
| 6207-80A | 176lbf         | 3/8" DIA, Ø8mm, Ø4mm    | 72.60       |

## UNIVERSAL MAGNETIC STAND



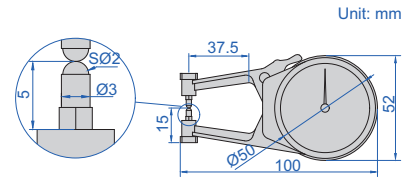
- For digital/dial indicators and dial test indicators



| Part No. | Magnetic force | Applicable holding stem | Remark                                   | Price (CAD) |
|----------|----------------|-------------------------|------------------------------------------|-------------|
| 6208-80E | 176lbf         | 3/8" DIA                | with fine adjustment and dovetail groove | 104.54      |

## METRIC THICKNESS GAUGE

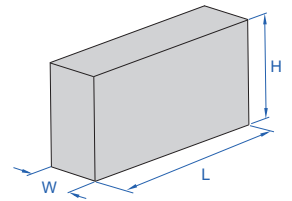
- Main body is made of hard plastic



| Part No. | Range  | Graduation | Accuracy | Price (CAD) |
|----------|--------|------------|----------|-------------|
| 2870-10  | 0-10mm | 0.1mm      | ±0.1mm   | 96.10       |

## STEEL GAUGE BLOCK SET

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



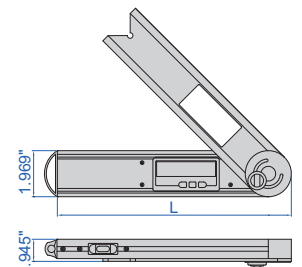
| Part No. | Blocks included in set |             |          | Blocks per set | Price (CAD) |
|----------|------------------------|-------------|----------|----------------|-------------|
|          | size (inch)            | step (inch) | quantity |                |             |
| 4102-281 | .1001 - .1009          | .0001       | 9        | 81             | 554.58      |
|          | .101 - .149            | .001        | 49       |                |             |
|          | .05 - .95              | .05         | 19       |                |             |
|          | 1 - 4                  | 1           | 4        |                |             |

Dimension:

| Size (L)        | W     | H      |
|-----------------|-------|--------|
| .02 ≤ L ≤ .394" | .354" | 1.181" |
| L > .394"       | .354" | 1.378" |

## DIGITAL PROTRACTOR

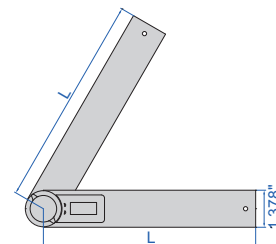
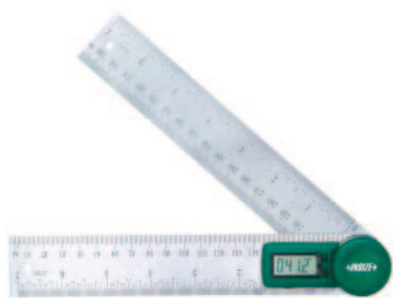
- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power-off



| Part No. | Size (L) | Range  | Resolution | Accuracy | Price (CAD) |
|----------|----------|--------|------------|----------|-------------|
| 2171-250 | 10"      | 0-360° | 0.05°      | ±0.15°   | 133.71      |

## DIGITAL PROTRACTORS

- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- Battery CR2032
- Automatic power-off

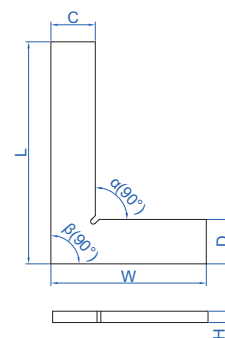


2176-300

| Part No. | Size (L) | Range  | Resolution | Accuracy | Price (CAD) |
|----------|----------|--------|------------|----------|-------------|
| 2176-200 | 8"       | 0-360° | 0.1°       | ±0.3°    | 62.54       |
| 2176-300 | 12"      | 0-360° | 0.1°       | ±0.3°    | 71.85       |

## 90° FLAT EDGE SQUARES

- Made of stainless steel



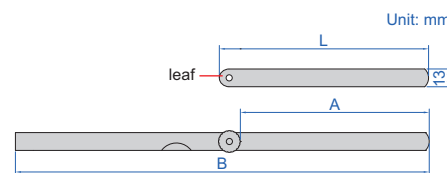
4791-100

Hardened

| Part No. | Size (L×W) | Squareness |             | C      | D      | H     | Price (CAD) |
|----------|------------|------------|-------------|--------|--------|-------|-------------|
|          |            | inside (α) | outside (β) |        |        |       |             |
| 4791-50  | 2.0×1.6"   | .00024"    | .00024"     | .472"  | .472"  | .197" | 47.32       |
| 4791-75  | 3.0×2.0"   | .00024"    | .00028"     | .591"  | .591"  | .197" | 56.78       |
| 4791-100 | 3.9×2.8"   | .00028"    | .00028"     | .787"  | .787"  | .197" | 64.84       |
| 4791-150 | 5.9×3.9"   | .00028"    | .00032"     | .984"  | .984"  | .197" | 103.30      |
| 4791-200 | 7.9×5.1"   | .00032"    | .00036"     | 1.181" | 1.181" | .236" | 148.97      |
| 4791-250 | 9.8×6.5"   | .00036"    | .00040"     | 1.378" | 1.378" | .276" | 185.89      |
| 4791-300 | 11.8×7.9"  | .00040"    | .00043"     | 1.575" | 1.575" | .315" | 223.56      |

## METRIC LONG FEELER GAUGE

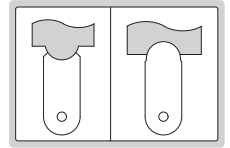
- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy:  $\pm(3+T/80)$  μm, 'T' is the thickness of leaves in μm



| Part No. | Range       | Thickness of leaves included (mm)                                            | Quantity of leaves | L     | A     | B     | Price (CAD) |
|----------|-------------|------------------------------------------------------------------------------|--------------------|-------|-------|-------|-------------|
| 4605-13  | 0.05-1.00mm | 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 | 13                 | 150mm | 135mm | 295mm | 22.92       |

## RADIUS GAUGE (LOW ACCURACY)

- Made of medium carbon steel



| Part No. | Range       | Radius of leaves included                                                                                               | Quantity of leaves (internal+external) | Price (CAD) |
|----------|-------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| 4801-16E | 17/64"-1/2" | 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2" | 16+16                                  | 31.08       |

## RADIUS GAUGE SET

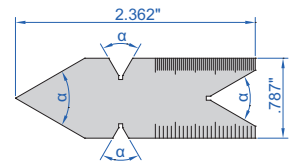
- Each piece has 3 concave and 2 convex gauging surfaces
- Made of medium carbon steel
- Supplied with handle



| Part No. | Range      | Radius of leaves included                                                                                                                                                        | Quantity of leaves | Price (CAD) |
|----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|
| 4804-25E | 1/64"~1/2" | 1/64", 1/32", 3/64", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" | 25                 | 81.94       |

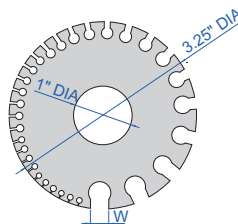
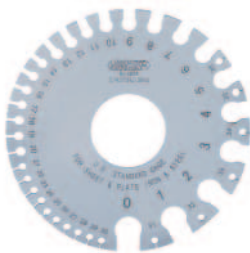
## CENTER GAUGE

- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy:  $\pm 30$ min.
- Made of stainless steel



| Part No. | Thread type | Angle (a) | Graduation                                                  | Price (CAD) |
|----------|-------------|-----------|-------------------------------------------------------------|-------------|
| 4810-602 | UNIFIED 60° | 60°       | 14ths and 20ths on front side, 24ths and 32ths on back side | 9.83        |

## U.S. STANDARD SHEET METAL GAUGE



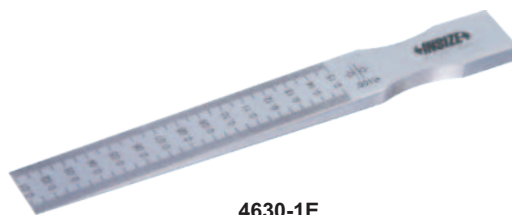
- For gaging sheet metal, plate iron and steel
- Hardened to HRC50-57

| Part No. | Range               | Price (CAD) |
|----------|---------------------|-------------|
| 4809     | 0-36 (.3125-.0070") | 37.50       |

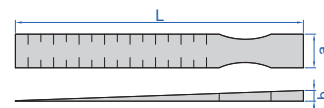
| No. | W      | No. | W      | No. | W      |
|-----|--------|-----|--------|-----|--------|
| 0   | .3125" | 13  | .0938" | 26  | .0188" |
| 1   | .2813" | 14  | .0781" | 27  | .0172" |
| 2   | .2656" | 15  | .0703" | 28  | .0156" |
| 3   | .2500" | 16  | .0625" | 29  | .0141" |
| 4   | .2344" | 17  | .0563" | 30  | .0125" |
| 5   | .2188" | 18  | .0500" | 31  | .0109" |
| 6   | .2031" | 19  | .0438" | 32  | .0102" |
| 7   | .1875" | 20  | .0375" | 33  | .0094" |
| 8   | .1719" | 21  | .0344" | 34  | .0086" |
| 9   | .1563" | 22  | .0313" | 35  | .0078" |
| 10  | .1406" | 23  | .0281" | 36  | .0070" |
| 11  | .1250" | 24  | .0250" |     |        |
| 12  | .1094" | 25  | .0219" |     |        |

## TAPER SLOT GAUGE

- For quick measurement of slot width
- Made of stainless steel



4630-1E

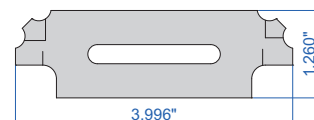


Satin chrome-plated reading surface

| Part No. | Range    | Graduation | Accuracy | L      | a     | b     | Price (CAD) |
|----------|----------|------------|----------|--------|-------|-------|-------------|
| 4630-1E  | .01-.15" | .001"      | ±.003"   | 4.449" | .520" | .165" | 103.35      |

## FILLET WELDING GAUGE

- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel



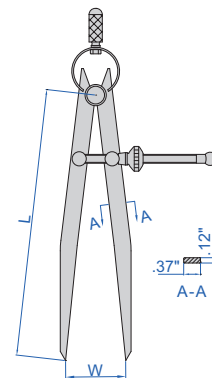
| Part No. | Size                                                                                                                                                            | Accuracy      | Price (CAD) |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| 4836-2   | 1/8" (3.2mm), 3/16" (4.8mm), 1/4" (6.4mm), 5/16" (7.9mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 7/8" (22.2mm), 1" (25.4mm) | ±.02" (0.5mm) | 57.23       |

## SPRING DIVIDERS

- Made of carbon steel
- Hardened points



7260-150



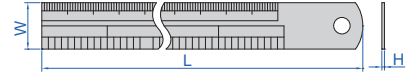
| Part No. | Size (L) | Range (W) | Price (CAD) |
|----------|----------|-----------|-------------|
| 7260-150 | 6"       | 0-5.91"   | 19.18       |
| 7260-200 | 8"       | 0-7.87"   | 21.93       |
| 7260-250 | 10"      | 0-9.84"   | 31.08       |
| 7260-300 | 12"      | 0-11.81"  | 34.81       |

## STEEL RULERS

- Graduation: 1/64", 1/32", 1/16", 0.5mm, 1mm
- Semi-flexible rulers
- Made of stainless steel
- Non-glare surface



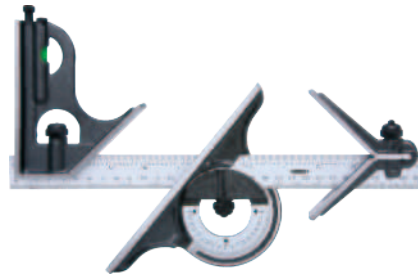
7110-300



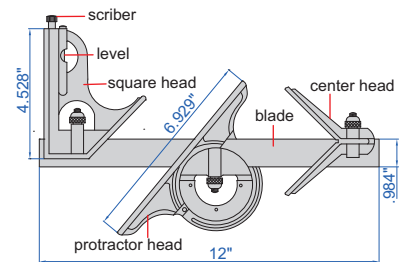
| Part No.  | Range      | Accuracy | L       | W      | H     | Remark                                                 | Price (CAD) |
|-----------|------------|----------|---------|--------|-------|--------------------------------------------------------|-------------|
| 7110-150  | 6"/150mm   | ±.007"   | 6.693"  | .709"  | .039" | metric graduation on front and inch graduation on back | 2.94        |
| 7110-200  | 8"/200mm   | ±.007"   | 8.661"  | .709"  | .039" | metric graduation on front and inch graduation on back | 3.88        |
| 7110-300  | 12"/300mm  | ±.010"   | 12.992" | .984"  | .039" | metric graduation on front and inch graduation on back | 5.20        |
| 7110-3001 | 12"/300mm  | ±.010"   | 12.795" | 1.181" | .039" | metric graduation on front and inch graduation on back | 7.01        |
| 7110-500  | 20"/500mm  | ±.015"   | 20.866" | 1.181" | .047" | metric graduation on front and inch graduation on back | 11.57       |
| 7110-600  | 24"/600mm  | ±.020"   | 24.803" | 1.181" | .047" | metric graduation on front and inch graduation on back | 12.43       |
| 7110-1000 | 40"/1000mm | ±.020"   | 40.945" | 1.260" | .059" | metric graduation on front and inch graduation on back | 23.40       |
| 7110-1200 | 48"/1200mm | ±.030"   | 48.819" | 1.378" | .071" | metric and inch graduation on front                    | 41.29       |
| 7110-1500 | 60"/1500mm | ±.040"   | 61.024" | 1.496" | .071" | metric and inch graduation on front                    | 59.75       |
| 7110-2000 | 80"/2000mm | ±.040"   | 81.299" | 1.575" | .079" | metric and inch graduation on front                    | 88.42       |

## COMBINATION SQUARE SETS (CLOSE TYPE PROTRACTOR)

- Center head (made of cast iron): to locate center of cylinder with diameter (d): 1.181" DIA-3.937" DIA accuracy: ±.006"
- Protractor head (made of cast iron): to set the blade at desired angle to an edge of a workpiece, and can be used to measure angles, range: 0-180°, accuracy: ±20min.
- Square head (made of cast iron): 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 ruler (part no. 7113)



2278-180



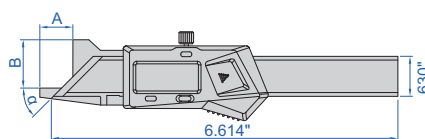
| Part No.  | Remark      | Blade range | Blade graduation                                           | Price (CAD) |
|-----------|-------------|-------------|------------------------------------------------------------|-------------|
| 2278-2    | 2-piece set | 12"/300mm   | 1/32" and 0.5mm on front face, 1/64" and 1mm on back face  | 79.16       |
| 2278-2E   | 2-piece set | 12"         | 1/8" and 1/16" on front face, 1/32" and 1/64" on back face | 71.36       |
| 2278-180  | 4-piece set | 12"/300mm   | 1/32" and 0.5mm on front face, 1/64" and 1mm on back face  | 191.62      |
| 2278-180E | 4-piece set | 12"         | 1/8" and 1/16" on front face, 1/32" and 1/64" on back face | 197.94      |

## DIGITAL CHAMFER GAUGES

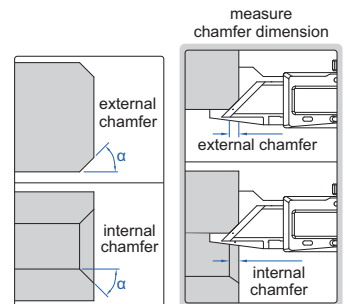
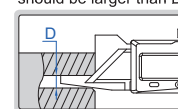
- Non-waterproof
- Measure 15°/20°/30°/45°/60° chamfer dimension
- Resolution: .0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Automatic power-off, move the digital unit to turn on power
- Data output
- Battery CR2032
- Made of stainless steel



1180-6



for internal chamfer measurement, diameter should be larger than D



With data interface

| Part No. | Range         | Accuracy | Chamfer (α) | A     | B     | D (DIA) | Wireless transmitter (optional) | Price (CAD) |
|----------|---------------|----------|-------------|-------|-------|---------|---------------------------------|-------------|
| 1180-6   | 0-.39"/0-10mm | ±.0025"  | 45°         | .591" | .866" | .276"   | 7315-25 (receiver is needed)    | 250.66      |
| 1180-63  | 0-.39"/0-10mm | ±.0025"  | 30°         | .591" | .866" | .315"   |                                 | 291.30      |
| 1180-66  | 0-.39"/0-10mm | ±.0025"  | 60°         | .551" | .827" | .276"   |                                 | 291.30      |

## METRIC THREAD PLUG GAUGES



4130-10

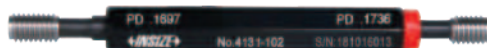
- Supplied with Go and No-Go gauges together
- Standard ISO1502
- Supplied with manufacturer inspection certificate

| Size (mm)        |       | Part No. | Price (CAD) |
|------------------|-------|----------|-------------|
| Nominal diameter | Pitch | Class 6H |             |
| M2               | 0.4   | 4130-2   | 76.50       |
| M2.5             | 0.45  | 4130-2D5 | 62.87       |
| M3               | 0.5   | 4130-3   | 62.87       |
| M3.5             | 0.6   | 4130-3D5 | 67.40       |
| M4               | 0.7   | 4130-4   | 45.88       |
| M4.5             | 0.75  | 4130-4D5 | 52.00       |
| M5               | 0.8   | 4130-5   | 45.88       |
| M6               | 1     | 4130-6   | 45.88       |

| Size (mm)        |       | Part No. | Price (CAD) |
|------------------|-------|----------|-------------|
| Nominal diameter | Pitch | Class 6H |             |
| M7               | 1     | 4130-7   | 45.88       |
| M8               | 1.25  | 4130-8   | 45.88       |
| M9               | 1.25  | 4130-9   | 45.88       |
| M10              | 1.5   | 4130-10  | 54.62       |
| M11              | 1.5   | 4130-11  | 54.89       |
| M12              | 1.75  | 4130-12  | 74.98       |
| M14              | 2     | 4130-14  | 78.52       |
| M16              | 2     | 4130-16  | 79.03       |

| Size (mm)        |       | Part No. | Price (CAD) |
|------------------|-------|----------|-------------|
| Nominal diameter | Pitch | Class 6H |             |
| M18              | 2.5   | 4130-18  | 85.82       |
| M20              | 2.5   | 4130-20  | 85.98       |
| M22              | 2.5   | 4130-22  | 89.29       |
| M24              | 3     | 4130-24  | 84.84       |
| M27              | 3     | 4130-27  | 84.84       |
| M30              | 3.5   | 4130-30  | 98.21       |
| M33              | 3.5   | 4130-33  | 101.68      |
| M36              | 4     | 4130-36  | 136.57      |

## AMERICAN STANDARD THREAD PLUG GAUGES



4131-102

- Supplied with Go and No-Go gauges together
- Standard ANSI/ASME B1.2
- Supplied with manufacturer inspection certificate

| Size         | Part No.<br>Class 2B | Price (CAD) |
|--------------|----------------------|-------------|
| No. 0-80UNF  | 4131-02              | 168.50      |
| No. 1-64UNC  | 4131-11              | 165.48      |
| No. 1-72UNF  | 4131-12              | 183.00      |
| No. 2-56UNC  | 4131-21              | 136.54      |
| No. 2-64UNF  | 4131-22              | 176.00      |
| No. 3-48UNC  | 4131-31              | 151.00      |
| No. 3-56UNF  | 4131-32              | 174.26      |
| No. 4-40UNC  | 4131-41              | 109.44      |
| No. 4-48UNF  | 4131-42              | 151.00      |
| No. 5-40UNC  | 4131-51              | 107.56      |
| No. 5-44UNF  | 4131-52              | 150.70      |
| No. 6-32UNC  | 4131-61              | 100.36      |
| No. 6-40UNF  | 4131-62              | 107.56      |
| No. 8-32UNC  | 4131-81              | 100.36      |
| No. 8-36UNF  | 4131-82              | 108.82      |
| No. 10-24UNC | 4131-101             | 107.60      |
| No. 10-32UNF | 4131-102             | 109.44      |
| No. 12-24UNC | 4131-121             | 117.22      |
| No. 12-28UNF | 4131-122             | 103.28      |

| Size          | Part No.<br>Class 2B | Price (CAD) |
|---------------|----------------------|-------------|
| No. 12-32UNEF | 4131-123             | 112.00      |
| 1/4-20UNC     | 4131-1B1             | 99.08       |
| 1/4-28UNF     | 4131-1B2             | 104.28      |
| 1/4-32UNEF    | 4131-1B3             | 109.00      |
| 1/4-36UNS     | 4131-1B4             | 129.28      |
| 5/16-18UNC    | 4131-5D1             | 99.08       |
| 5/16-24UNF    | 4131-5D2             | 99.08       |
| 5/16-32UNEF   | 4131-5D3             | 117.23      |
| 3/8-16UNC     | 4131-3C1             | 109.44      |
| 3/8-24UNF     | 4131-3C2             | 109.44      |
| 3/8-32UNEF    | 4131-3C3             | 160.78      |
| 7/16-14UNC    | 4131-7D1             | 108.00      |
| 7/16-20UNF    | 4131-7D2             | 109.21      |
| 7/16-28UNEF   | 4131-7D3             | 161.00      |
| 1/2-13UNC     | 4131-1A1             | 118.67      |
| 1/2-20UNF     | 4131-1A2             | 128.02      |
| 1/2-28UNEF    | 4131-1A3             | 161.00      |
| 9/16-12UNC    | 4131-9D1             | 118.36      |
| 9/16-18UNF    | 4131-9D2             | 114.83      |

| Size         | Part No.<br>Class 2B | Price (CAD) |
|--------------|----------------------|-------------|
| 9/16-24UNEF  | 4131-9D3             | 151.28      |
| 5/8-11UNC    | 4131-5C1             | 156.01      |
| 5/8-18UNF    | 4131-5C2             | 119.73      |
| 5/8-24UNEF   | 4131-5C3             | 160.90      |
| 11/16-16UN   | 4131-11D516          | 135.45      |
| 11/16-24UNEF | 4131-11D3            | 163.59      |
| 3/4-10UNC    | 4131-3B1             | 158.08      |
| 3/4-16UNF    | 4131-3B2             | 132.12      |
| 3/4-20UNEF   | 4131-3B3             | 153.22      |
| 13/16-16UN   | 4131-13D516          | 144.65      |
| 13/16-20UNEF | 4131-13D3            | 160.00      |
| 7/8-9UNC     | 4131-7C1             | 168.76      |
| 7/8-14UNF    | 4131-7C2             | 146.29      |
| 7/8-16UN     | 4131-7C516           | 147.08      |
| 7/8-20UNEF   | 4131-7C3             | 155.25      |
| 15/16-20UNEF | 4131-15D3            | 221.00      |
| 1-8UNC       | 4131-2A1             | 186.65      |
| 1-12UNF      | 4131-2A2             | 173.00      |
| 1-14UNS      | 4131-2A514           | 184.42      |

## DIGITAL LEVEL AND SLOPE METER

**IP67**  
WATERPROOF

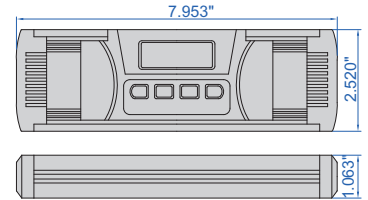
**ABSOLUTE**  
LEVEL

**BACKLIGHT**

**BUZZER ALARM**  
AT 0° AND 90°

**WORKING TEMPERATURE**  
23°F~122°F

- IP67 dust/waterproof
- Used as level and slope meter
- Aluminum frame, shock absorbing rubber end caps
- 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, backlight/buzzer alarm, absolute and incremental measurement, unit (°, %, mm/m), HOLD (keep the reading)
- Three AAA batteries, automatic power-off



| Part No. | Range          | Resolution   | Accuracy                     | Price (CAD)   |
|----------|----------------|--------------|------------------------------|---------------|
| 2175-360 | 0-360° (90°x4) | 0.05°; 1mm/m | at 0°: ±0.05°; others: ±0.1° | <b>223.98</b> |

## DIGITAL LEVEL AND SLOPE METER

**BACKLIGHT**

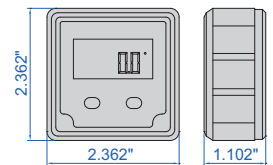
**ABSOLUTE**  
LEVEL

**MAGNETIC**  
BOTTOM

**DISPLAY FLIPS OVER WHEN**  
THE BOTTOM FACES UP

**WORKING TEMPERATURE**  
23°F~122°F

- Used as level and slope meter
- 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 seconds 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



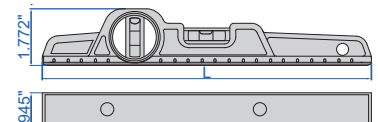
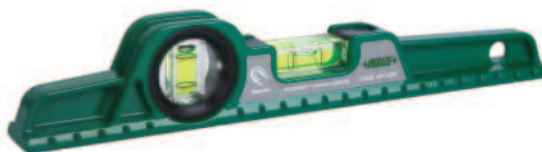
| Part No. | Range | Resolution         | Accuracy                            | Price (CAD)   |
|----------|-------|--------------------|-------------------------------------|---------------|
| 2170-1   | 4x90° | 0.1° (=0.021in/ft) | at 0°/ 90°: ±0.1°; at others: ±0.2° | <b>108.92</b> |

## CASTING ALUMINUM LEVEL

**LIFETIME**  
WARRANTY VIALS

**MAGNETIC**  
BASE

- Shockproof horizontal and vertical vials
- Magnetic base
- Cast aluminum body



| Part No. | Size (L) | Accuracy  | Working temperature | Price (CAD)  |
|----------|----------|-----------|---------------------|--------------|
| 4913-250 | 10"      | .006in/ft | 5°F~131°F           | <b>26.94</b> |

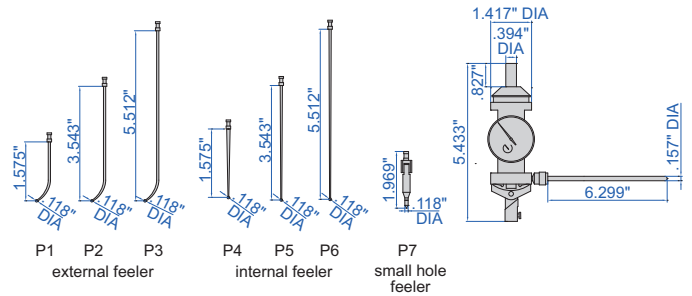
## CENTERING INDICATOR



- Provides quick and accurate centering in boring and milling set-up
- Maximum speed is recommended not to exceed 800rpm

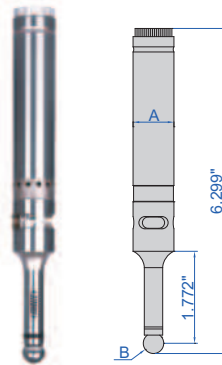
| Part No. | Price (CAD) |
|----------|-------------|
| 2385-3   | 281.62      |

| Feeler | Measuring diameter | Accuracy |
|--------|--------------------|----------|
| P1     | 0-2.362" DIA       | .00060"  |
| P2     | 0-6.299" DIA       | .00080"  |
| P3     | 0-9.843" DIA       | .00120"  |
| P4     | .126-3.150" DIA    | .00060"  |
| P5     | .126-7.087" DIA    | .00076"  |
| P6     | .126-11.024" DIA   | .00120"  |
| P7     | 0-.110" DIA        | .00060"  |



## ELECTRONIC EDGE FINDER

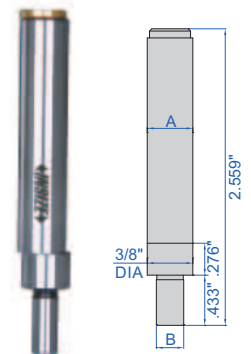
- The shank is electrically conducted to the metal workpiece through the chuck and table. the LED lights up and the beeper sounds, when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball
- Battery: 23AE, 12Vx1 pc
- Contact ball (B): .4" DIA



| Part No. | Shank (A) | Accuracy | Beeper | Price (CAD) |
|----------|-----------|----------|--------|-------------|
| 6566-3E  | 3/4" DIA  | .0002"   | with   | 220.14      |

## EDGE FINDER

- Hardened shank and contact point
- Suitable for machine speed 400-600rpm
- Contact ball (B): .2" DIA



| Part No. | Shank (A) | Accuracy | Price (CAD) |
|----------|-----------|----------|-------------|
| 6567-1E  | 3/8" DIA  | .0003"   | 86.88       |

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INDUSTRIAL SUPPLY INC.

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

604.888.4052 Fax 604.888.4072

sales@technicut.ca

