

For more information on Precision Measuring Instruments, see page 2210.

Mitutoyo **INSIZE**
Digital Depth Gauges with Measuring Rods

- 0.0005 in/0.02 mm Resolution
- Full base style
- SPC Output
- For SPC processors and accessories, see page 2221

LCD display is fixed on the frame and provides high-resolution decimal inch and metric measurements. The low profile is ideal for getting into and measuring smaller holes.



55VM74

Range	Accuracy	No. of Measuring Rods	Data Output Type	Contact Point Shape	Base Length	Case Included	Brand	Item No.
0 in to 8 in, 0 mm to 200 mm	±0.0003 in ±0.001 in	4	Cable	Curved	2 1/2 in	Yes	Mitutoyo	6NRD0
		4	Cable	Curved	2 1/2 in	Yes	Mitutoyo	4CGV7
0 in to 12 in, 0 mm to 300 mm	±0.0008 in ±0.0008 in	6	Wireless with Transmitter	Ball, Pointed	2 3/4 in	—	Insize	55VM74
		6	Wireless with Transmitter	Ball, Pointed	4 in	—	Insize	55VM75

Solid-Rod
22UC4Tubular-Rod
462U90
Starrett **INSIZE** **Mitutoyo**
Inside Micrometers

- 0.001 in resolution
- Plain thimble type
- Curved contact point except where noted

Mechanical tubular-rod inside micrometers use interchangeable hollow, light-weight rods to measure the inside dimensions of holes, tubes, pipes, cylinders, rings, and other parts. The measurement is taken on the vernier scale.

Range	Accuracy	No. of Measuring Rods	Rod Diameter	Brand	Item No.
Solid Rod Inside Micrometer					
Steel Contact Point Material					
2 in to 8 in	+/-0.005 in	6	1/4 in	Starrett	22UC4
2 in to 12 in	+/-0.005 in	10	1/4 in	Starrett	22UC5
8 in to 32 in	+/-0.005 in	4	1/4 in	Starrett	5UA8
Tubular Inside Micrometer					
Carbide Contact Point Material					
1 in to 11 in	+/-0.00036 in	1	0.709 in	Insize	462U90
2 in to 4 in	+/-0.00155 in	8	0.709 in	Insize	462U67
2 in to 6 in	+/-0.00215 in	10	0.709 in	Insize	462U69
2 in to 6 in	+/-0.00045 in	3	0.709 in	Insize	462U68
2 in to 20 in	+/-0.00095 in	6	0.709 in	Insize	462U66
4 in to 5 in	+/-0.00024 in	1	0.709 in	Insize	462U95
4 in to 36 in	+/-0.0005 in	5	0.709 in	Insize	462U71
5 in to 6 in	+/-0.00024 in	1	0.709 in	Insize	462U96
11 in to 12 in	+/-0.00036 in	1	0.709 in	Insize	462U91
12 in to 13 in	+/-0.00036 in	1	0.709 in	Insize	462U92
Steel Contact Point Material					
1 in to 2 in	+/-0.00035 in	2	0.709 in	Insize	462U61
1.5 in to 8 in	+/-0.005 in	5	3/8 in	Starrett	22UC6
1.5 in to 12 in	+/-0.005 in	8	3/8 in	Starrett	22UC7
1.5 in to 12 in	+/-0.000425 in	8	8mm	Mitutoyo	4LA56 *
1.5 in to 32 in	+/-0.005 in	10	3/8 in	Starrett	30A226
4 in to 24 in	+/-0.005 in	7	3/8 in	Starrett	5UA9
4 in to 32 in	+/-0.005 in	8	3/8 in	Starrett	5UAC0
4 in to 40 in	+/-0.1325 mm	10	0.61 in	Mitutoyo	4CGT7 *
4 in to 40 in	+/-0.005 in	9	3/8 in	Starrett	22UC8 *
6 in to 78 in	+/-0.005 in	10	1/2 in	Starrett	5UA7
8 in to 20 in	+/-0.0008 in	3	0.709 in	Insize	462U62
8 in to 40 in	+/-0.0003 in	8	0.709 in	Insize	462U63

*Flat Contact Point



55VM71



45PG50

INSIZE **Starrett**
Mitutoyo **Mahr**
Blade-Style Digital Depth Gauges

- 0.0005 in/0.05 mm Resolution
- SPC Output
- For SPC processors and accessories, see page 2221

Blade-style digital-depth gauges different tip shapes allow for a range of hole measurements including depth-of-groove/feature measurements. These gauges consist of a blade/scale that is lowered into a hole.

Depth Gauge Type	Range	Accuracy	Data Output Type	Blade Tip Shape	Brand	Item No.
Blade-Style	0 in to 12 in, 0 mm to 300 mm	±0.0012 in	Wireless with Transmitter	Flat	Insize	55VM63
	0 in to 12 in, 0 mm to 300 mm	±0.0015 in	Cable	Flat	Mitutoyo	4CGW1
	0 in to 12 in, 0 mm to 300 mm	±0.002 in	Cable	Flat with Removable Hook	Starrett	5UAG3
	0 in to 4 in, 0 to 100 mm	±0.03 mm	Cable	Flat	Mahr	446F26
	0 in to 6 in, 0 mm to 150 mm	±0.0012 in	Wireless with Transmitter	Hook	Insize	55VM68
	0 in to 6 in, 0 mm to 150 mm	±0.001 in	Cable	Flat	Mitutoyo	4CGV8
	0 in to 8 in, 0 mm to 200 mm	±0.0012 in	Wireless with Transmitter	Hook	Insize	54XJ05
	0 in to 8 in, 0 mm to 200 mm	±0.001 in	Cable	Flat	Mitutoyo	4CGV9
Blade-Style with Round Tip	0 in to 24 in, 0 to 600 mm	±0.002 in	Cable	Flat with Removable Hook	Starrett	5UAG6
	0 in to 8 in, 0 mm to 200 mm	±0.0012 in	Wireless with Transmitter	Round Depth Bar	Insize	55VM71
Flat Rule	0 in to 12 in, 0 mm to 300 mm	±0.04 mm	Cable	Flat	Mahr	45PG50
	0 in to 20 in, 0 mm to 500 mm	±0.05 mm	Wireless	Flat	Mahr	45PG53

Carbide
462U83

brown & sharpe

Steel
No 38P020
INSIZE
Mechanical 3-Point Inside Micrometers

- Curved contact shape
- Ratchet thimble type except where noted

The operator then reads the vernier scale. With three contact points, these micrometers are self-centering, eliminating errors when taking two-point measurements off of center.

Range	Res.	Accuracy	Maximum Measuring Depth	No. of Micrometers	No. of Measuring Rods	Brand	Item No.
Carbide Contact Point Material							
0.8 in to 2 in	0.0002 in	+/-0.00016 in	9.819 in	4	0	Insize	462U83 *
2 in to 2.5 in	0.0002 in	+/-0.0002 in	10.488 in	1	0	Insize	462U84
2 in to 4 in	0.0002 in	+/-0.0002 in	10.488 in	4	0	Insize	462U88
Steel Contact Point Material							
0.275 in to 0.5 in	0.0001 in	—	—	3	1	Tesa Brown & Sharpe	38P020
0.8 in to 1.6 in	0.0001 in	—	—	1	0	Tesa Brown & Sharpe	54VK80
1.6 in to 2 in	0.0001 in	—	—	1	0	Tesa Brown & Sharpe	54VK71
2.8 in to 3.2 in	0.0001 in	—	—	1	0	Tesa Brown & Sharpe	54VK74
4 in to 5 in	0.0001 in	—	—	1	0	Tesa Brown & Sharpe	54VK77
4 in to 8 in	0.0001 in	—	—	1	0	Tesa Brown & Sharpe	54VK82

*Friction Thimble Type