

Digimatic Caliper Gages

Internal Tube Thickness Measurement SERIES 209

Versatile ID measuring gages for hole diameters, groove thickness, tube diameter and hard-to-reach dimensions. The Digimatic Caliper Gages provide error-free LCD readings, as well as data output for SPC analysis.

Internal measurement type

209-936



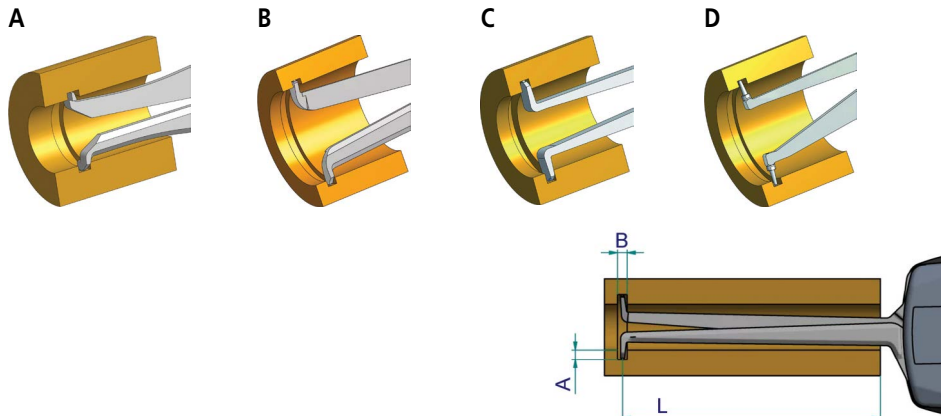
SPECIFICATIONS

Inch / Metric

Order No.	Range	Resolution	Accuracy	Measuring Depth (L)	Groove Depth (A)	Groove Width (B)	Measuring Contacts	Measuring Force (N)	Fig. Reference
209-934	0.09-0.49" / 2.5-12.5mm	10 Steps (switchable)*1	0.0005" / 0.015mm	0.47" / 12mm	.27" / 0.7mm	.02" / 0.4mm	Chisel R .0039" / 0.1mm	0.8-1.2	A
209-935	0.19-0.59" / 5-15mm		0.0005" / 0.015mm	1.37" / 35mm	.09" / 2.3mm	.03" / 0.8mm	Ball .024" / 0.6mm dia.	0.8-1.2	B
209-936	0.39-1.18" / 10-30mm		0.0010" / 0.03mm	3.34" / 85mm	.19" / 5.2mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	B
209-937	0.78-1.57" / 20-40mm		0.0010" / 0.03mm	3.34" / 85mm	.26" / 7.0mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	C
209-938	1.18-1.96" / 30-50mm		0.0010" / 0.03mm	3.34" / 85mm	.26" / 7.0mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	C
209-939	1.57-2.36" / 40-60mm		0.0010" / 0.03mm	3.34" / 85mm	.31" / 8.3mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	D
209-940	1.96-2.75" / 50-70mm		0.0010" / 0.03mm	3.34" / 85mm	.31" / 8.3mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	D
209-941	2.36-3.14" / 60-80mm		0.0010" / 0.03mm	3.34" / 85mm	.31" / 8.3mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	D
209-942	2.75-3.54" / 70-90mm		0.0010" / 0.03mm	3.34" / 85mm	.31" / 8.3mm	.05" / 1.2mm	Ball .04" / 1mm dia.	1.1-1.6	D
209-944	0.51-1.69" / 13-43mm		0.0015" / 0.04mm	5.00" / 127mm	.22" / 5.7mm	.06" / 1.5mm	Ball Ø.05" / 1.3mm	1.2-1.7	B
209-945	0.59-2.55" / 15-65mm		0.0020" / 0.05mm	7.40" / 188mm	.21" / 5.5mm	.07" / 1.9mm	Ball Ø.06" / 1.5mm	1.0-1.8	C
209-946	1.18-2.36" / 30-60mm		0.0015" / 0.04mm	5.19" / 132mm	.24" / 6.2mm	.07" / 1.8mm	Ball Ø.06" / 1.5mm	1.2-1.7	D
209-947	1.96-3.14" / 50-80mm		0.0015" / 0.04mm	5.19" / 132mm	.33" / 8.3mm	.09" / 2.4mm	Ball Ø.08" / 2mm	1.2-1.7	D
209-948	2.75-3.93" / 70-100mm		0.0015" / 0.04mm	5.19" / 132mm	.33" / 8.3mm	.09" / 2.4mm	Ball Ø.08" / 2mm	1.2-1.7	D
209-949	3.54-4.72" / 70-100mm		0.0015" / 0.04mm	5.19" / 132mm	.33" / 8.3mm	.09" / 2.4mm	Ball Ø.08" / 2mm	1.2-1.7	D
209-950	1.57-3.54" / 40-90mm		0.0020" / 0.05mm	7.55" / 192mm	.33" / 8.3mm	.09" / 2.4mm	Ball Ø.08" / 2mm	1.0-1.8	D

• Power Source: AAA Batteries (2 pcs)

*1 See Resolution Table



Technical Data

Display: LCD Analog / Digital
Power Supply: AAA Battery (2 pcs.)
Dust/Water protection level: IP67

Function

Zeraset, Preset, Auto power off, Inch/Metric, Conversion data hold, Max/Min value holding, Data output

Optional Output Devices

Order No.	Description
Wired	
KPL1962-09	Interface Adapter (Required)
264-020	USB Input tool (IT-020U)
- 937387	Connecting Cable (1m)
- 965013	Connecting Cable (2m)
06AFM380E	USB Input Tool Direct (2m)
Wireless	
KPL1962-09	Interface Adapter (Required)
264-626	Transmitter (IP67)
264-623	Transmitter (Buzzer)
- 02AZD790E	Connecting Unit (Adapter)
- 02AZE140E	Connecting Cable (foot switch compatible)
KPL1961-13	Interface Adapter (Bluetooth)

Note: Model uses connector type "E"

• Resolution Switching*

Resolution (in)		Resolution (mm)	
.0005	.0001	0.001	0.01
.0001	.001	0.002	0.02
		0.005	0.05

