

Digital Gauge

DG50B

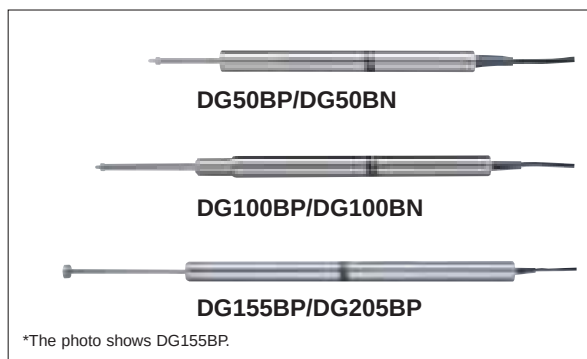
DG100B

DG155B

DG205B

High accuracy, rugged gauges.
Suitable for installation on machines

- Magnetic principle
- Excellent resistance to workshop conditions (BP: IP64).
Resistant to oil, water, dust, vibrations and shocks.
- Accuracy: $\pm 1 \mu\text{m}$ (DG50BP/50BN), $\pm 2 \mu\text{m}$ (DG100BP/100BN),
 $\pm 2.5 \mu\text{m}$ (DG155BP), $\pm 3 \mu\text{m}$ (DG205BP)
- Resolution: 0.5 μm
- Measuring range: 50 mm / 1.96", 100 mm / 3.93",
155 mm / 6.10" and 205 mm / 8.07"
- High measuring force (DG50BP/100BP)
- Low measuring force (DG50BN/100BN)
- Magnet feeler (DG155BP/205BP)
- Easy installation
- A variety of accessories available (See "Accessories for Gauges")



Specifications

Model		DG50BP	DG50BN	DG100BP	DG100BN	DG155BP	DG205BP
Measuring range		50 mm/ 1.96"		100 mm/ 3.93"		155 mm/ 6.10"	205 mm/ 8.07"
Resolution		0.5 μm					
Accuracy (at 20 °C /68 °F)		± 1 μm		± 2 μm		± 2.5 μm	± 3 μm
Measuring force	Upward	All directions: 6.2 N or less	—	All directions: 9.3 N or less	—	—	
	Lateral		0.9 ± 0.4 N		1.8 ± 0.65 N		
	Downward		1.3 ± 0.5 N		2.7 ± 0.55 N		
Protective design grade		Equivalent to IP64	—	Equivalent to IP64	—	Equivalent to IP64	
Sealing (oil, water, dust)		Oil sealing,O-rings,Y-gaskets	—	Oil sealing,O-rings,Y-gaskets	—	Oil sealing, O-rings, Y-gaskets	
Mounting stem diameter		ø 20 ⁺⁰ _{-0.013} mm				ø 32 ⁺⁰ _{-0.05} mm	
Operating temperature		0 °C to 50 °C /32 °F to 122 °F					
Storage temperature		-20 °C to 60 °C / -4 °F to 140 °F					
Cable length		5m/16.4'					
Feeler		carbide ball tipped feeler (DZ122)		carbide ball tipped feeler (DZ121)		DZ181 carbide ball tipped feeler	
Magnetic feeler		—		—		Attraction force: 10N Lateral slippage force:2.7N	
Mass (excl. cable unit)		0.35 kg/ 0.77 lbs		0.6 kg/ 1.32 lbs		1.1 kg/ 2.43 lbs	1.3 kg/ 2.87 lbs
Option		None	Air lifter DZ-161 mountable	None	Air lifter DZ-161 mountable	None	

Dimensions

