



İMAJ TEKNİK
ELEKTRİK ELEKTRONİK MALZ. SAN. VE TİC. LTD. ŞTİ

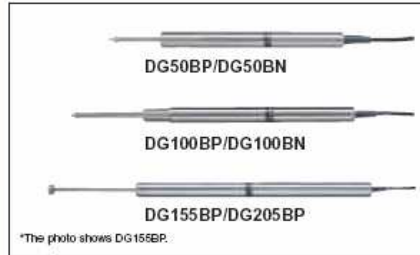
Digital Gauge

DG50B
DG100B
DG155B
DG205B

gauges

High accuracy, rugged gauges. Suitable for installation on machines

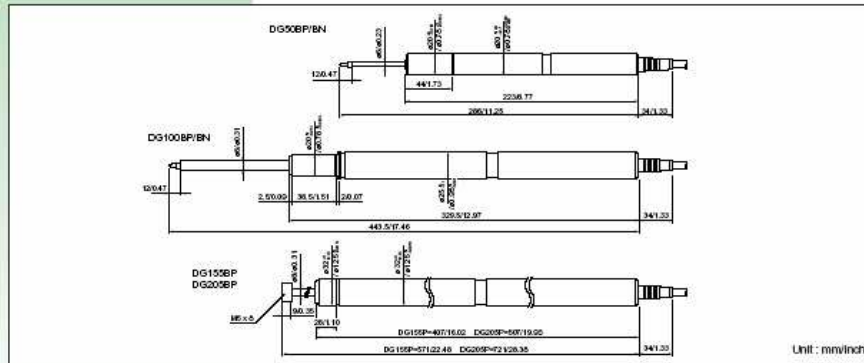
- Magnetic principle
- Excellent resistance to workshop conditions (BP: IP64). Resistant to oil, water, dust, vibrations and shocks.
- Accuracy: $\pm 1 \mu\text{m}$ (DG50BP/50BN), $\pm 2 \mu\text{m}$ (DG100BP/100BN), $\pm 2.5 \mu\text{m}$ (DG155BP), $\pm 3 \mu\text{m}$ (DG205BP)
- Resolution: 0.5 μm
- 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)	$\pm 1 \mu\text{m}$		$\pm 2 \mu\text{m}$		$\pm 2.5 \mu\text{m}$	$\pm 3 \mu\text{m}$
Measuring force	Upward	—	All directions: 9.3 N or less	—	—	—
	Lateral	All directions: 6.2 N or less	0.8 \pm 0.4 N	1.8 \pm 0.65 N	—	
	Downward	—	1.3 \pm 0.5 N	2.7 \pm 0.65 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	$\varnothing 20_{-0.013}^0$ mm		$\varnothing 20_{-0.013}^0$ mm		$\varnothing 32_{-0.05}^0$ 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



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