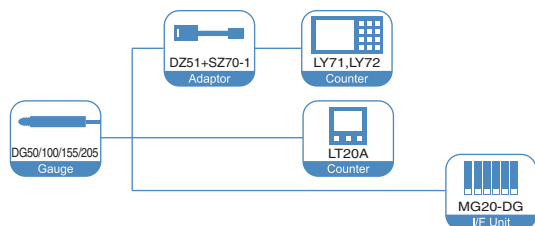


High accuracy, rugged gauges.
Suitable for installation on machines.

- Excellent resistance to workshop conditions (BP : IP64).
Resistant to oil, water, dust, vibrations. and shocks.
- Accuracy: 2 μm (DG50BP/50BN), 4 μm (DG100BP/100BN),
5 μm (DG155BP), 6 μm (DG205BP) ● Resolution : 0.5 μm
- Measuring range: 50 mm / 1.97", 100 mm / 3.94",
155 mm / 6.1" 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")



DG50BP/DG50BN



DG100BP/DG100BN



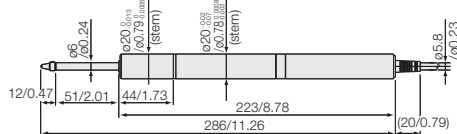
DG155BP/DG205BP

*The photo shows DG155BP

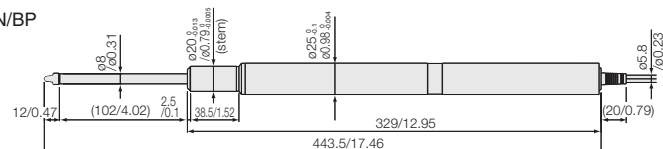
Digital Gauge

Dimensions

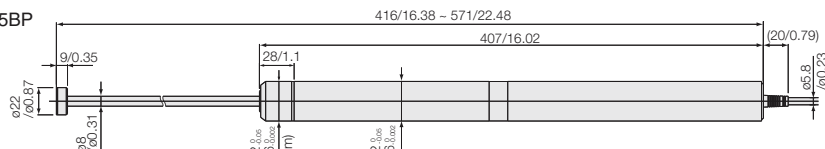
DG50BN/BP



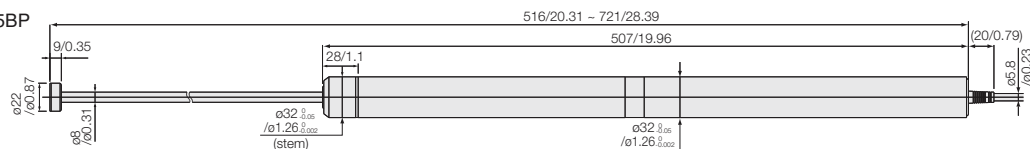
DG100BN/BP



DG155BP



DG205BP



Unit : mm/inch

Specifications

Model		DG50BP BPM/BPE	DG50BN BNM/BNE	DG100BP BPM/BPE	DG100BN BNM/BNE	DG155BP BPM/BPE	DG205BP BPM/BPE
Type		For Counter, A/B quadrature signal output type (See Page 26)					
Measuring range		50 mm/ 1.97"		100 mm/ 3.94"		155 mm/ 6.1"	205 mm/ 8.07"
Resolution		0.5 μm					
Measuring range force	Upward	All direction: 6.2 N or less	—	All direction : 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		
Accuracy (at 20°C / 68°F)		2 μm		4 μm		5 μm	6 μm
Maximum Response speed		1m/s					
Operating temperature		0 °C to 50 °C / 32 °F to 122 °F (gauge)					
Storage temperature		-20 °C to 60 °C / -4 °F to 140 °F					
Cable length		5 m/ 16.4'					
Mounting stem diameter		ø 2ø _{0.013} mm/ ø 0.79"ø _{0.0005} "					ø 32 (0/ -0.05) mm/ ø 1.26" (0/ -0.002")
Feeler		carbide ball tipped feeler (DZ-122)		carbide ball tipped feeler (DZ-121)		—	
Magnetic feeler		—		—		Attraction force: 10 N(DZ181) Lateral slippage force: 2.7 N	
Protective design grade		Equivalent to IP64	—	Equivalent to IP64	—	Equivalent to IP 64	
Sealing (oil, water, dust)		Oil sealing, O-rings, Y-gaskets	—	Oil sealing, O-rings, Y-gaskets	—	Oil sealing, O-rings, Y-gaskets	
Mass ^{*1}		Approx.360 g/ 0.793 lbs		Approx.630 g/ 1.388 lbs		Approx.1100 g/ 2.425 lbs	Approx.1300 g/ 2.866 lbs
Lift lever		—	DZ-161 (option)	—	DZ-161 (option)	DZ-161 (option)	
Air lifter		DZ174-010 (option)		—		—	

DG155BP/205BP does not included the spring. *1 excl. cable unit and Interpolator unit *2 Tubing for compressed air can be attached.