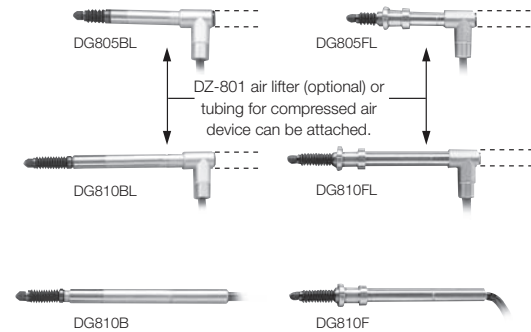
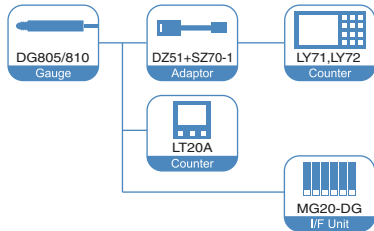


DG

DG805 Series, DG810 Series

High accuracy, compact, and slim gauges suitable for installation on machines.

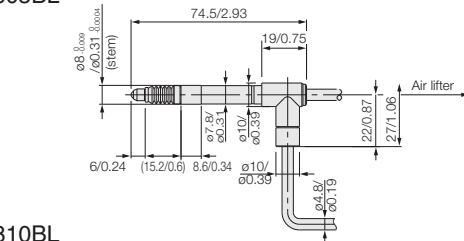
- Magnetic principle
- Excellent resistance to workshop conditions.
Resistant to oil, water, dust, vibration, and shock.
- Accuracy : 2 μ m
- Resolution : 0.5 μ m
- Measuring range: 5.2 mm / 0.20" and 10 mm / 0.39"
- Compact and slim: ϕ 8 mm / ϕ 0.31" (outer diameter)
- 74.5 mm / 2.93" (overall length) (DG805)
- Low measuring force
- Spindle can be moved vertically with an air pressure device (DG805BL/FL, DG810BL/FL).
- Dustproof bellows (standard).
- Easy installation. Flange type gauges also available.



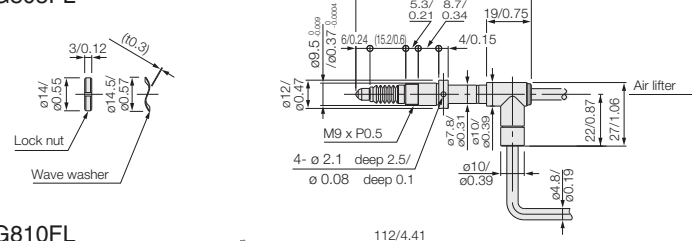
Digital Gauge

Dimensions

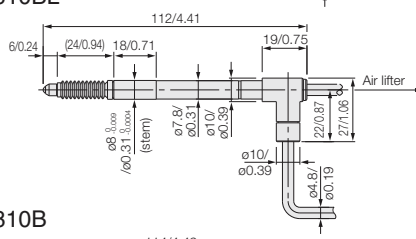
DG805BL



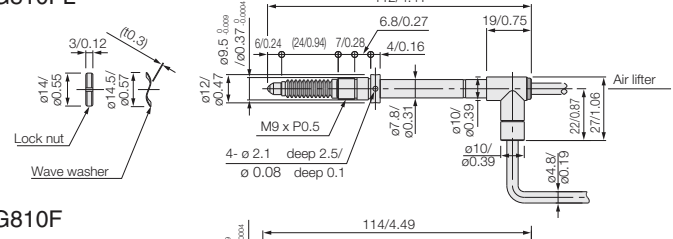
DG805FL



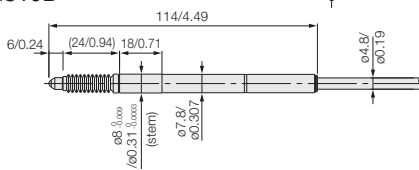
DG810BL



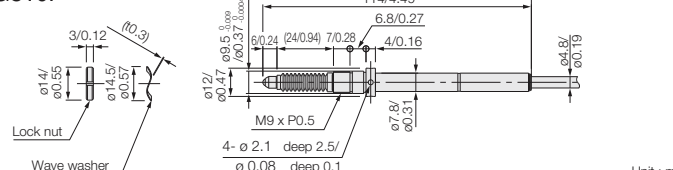
DG810FL



DG810B



DG810F



Unit : mm/inch

*Please refer to p54 for the details of the screw.

Specifications

Model	DG805BL / FL / BLM / BLE / FLM / FLE	DG810B / F / BM / BE / FM / FE	DG810BL / FL / BLM / BLE / FLM / FLE
Type	For Counter, A/B quadrature signal output type (See Page 26)		
Measuring range	5.2 mm/ 0.20"	10 mm/ 0.39"	
Resolution	0.5 μ m		
Measuring range force	Upward	0.35 $\pm$ 0.25 N	0.4 $\pm$ 0.3 N
	Lateral	0.4 $\pm$ 0.25 N	0.5 $\pm$ 0.3 N
	Downward	0.45 $\pm$ 0.25 N	0.6 $\pm$ 0.3 N
Accuracy (at 20°C / 68°F)	2 μ m		
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	ϕ 8.0 $^{+0.009}_{-0.004}$ mm/ ϕ 0.31" $^{+0.0004}_{-0.0004}$ F type: ϕ 9.5 $^{+0.009}_{-0.004}$ mm/ ϕ 0.37" $^{+0.0004}_{-0.0004}$		
Feeler	Feeler tipped with ϕ 3 mm/ 0.12" dia. Carbide ball with M2.5 x 0.45 screw on fitting end (DZ-123)		
Mass*1	Approx.20 g / 0.71 oz	Approx.40 g / 1.41 oz	
Air lifter	Air lifter DZ-801 mountable*2	—	

*1 excl. cable unit and Interpolator unit.

*2 Tubing for compressed air device can be attached.