

Digital Gauge DL-BR

Gauges suitable for installation on machines

- Magnetic principle
- Excellent resistance to workshop conditions (IP64).
Resistant to oil, dust, vibrations and shocks.
- Built-in zero point
- A/B phase output and zero point signal output by open collector.
- Measuring range: 10 mm / 0.39", 30 mm / 1.18" and 60 mm / 2.36"
- Easy mounting and maintenance thanks to stem mount design.

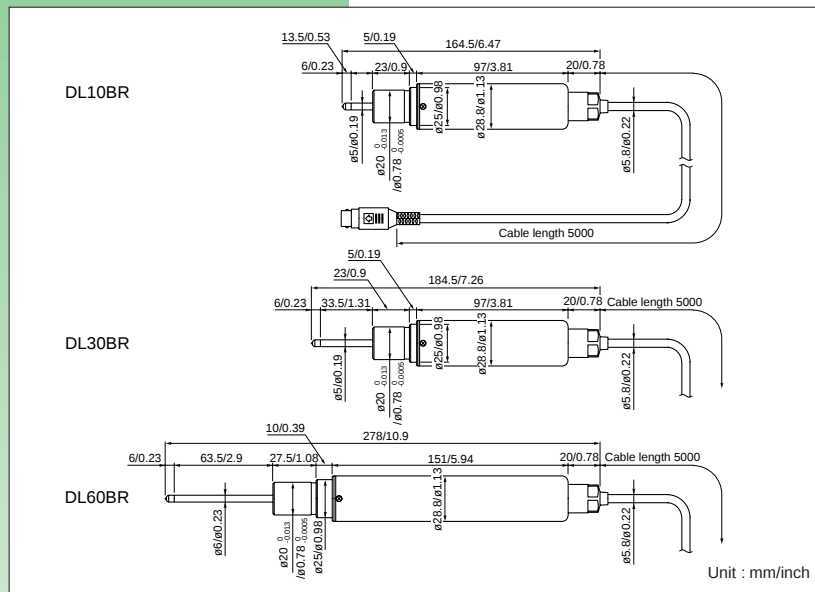
Specifications

Model	DL10BR	DL30BR	DL60BR
Measuring range	10 mm/ 0.39" (after passing zero point)	30 mm/ 1.18" (after passing zero point)	60 mm/ 2.36" (after passing zero point)
Resolution *1	5 μ m		
Accuracy (at 20 °C / 68 °F)	$\pm 2.5 \mu$ m		
Measuring force	5.3 N or less		
Max.response speed *2	120 m/ min		
Zero point repeatability	1 count or less		
Zero point detection speed	10 m/ min		
Zero point	1 ± 0.5 mm from feeler end fully retracted		
Output signal	A/B phase (7406 equivalent, 24 VDC, 20 mA or less) and zero point signal by NPN open collector		
Protective design grade	Equivalent to IP64		
Mounting stem diameter	$\varnothing 20 \begin{smallmatrix} 0 \\ -0.013 \end{smallmatrix}$ mm		
Operating temperature	-0 °C to 50 °C / 32 °F to 122 °F		
Storage temperature	20 °C to 60 °C / -94 °F to 140 °F		
Power supply	5 VDC $\begin{smallmatrix} +5\% \\ 0 \end{smallmatrix}$		
Power consumption	0.5 W		
Cable length	5 m/ 16.4'		
Feeler	Feeler tipped with 3 mm dia. carbide ball with M2.5 x 0.45 screw on fitting end (DZ123)		
Mass (excl. cable unit) *3	0.45 kg/ 0.99 lbs	0.55 kg/ 1.21 lbs	

*2 Max. response speed of the electrical circuit.

*3 Mass of the cable not included.

Dimensions



*1 Resolution

→ 5 μ m (90° difference of A/B phase output Note 1)

*2 Duty Cycle of A/B phase signal

→ T/4 $\pm$ T/8 (Note 1)

Note 1

