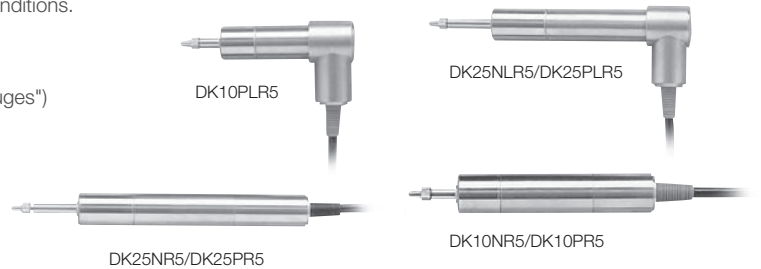
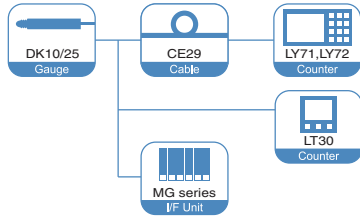


DK

DK10/25 Series

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

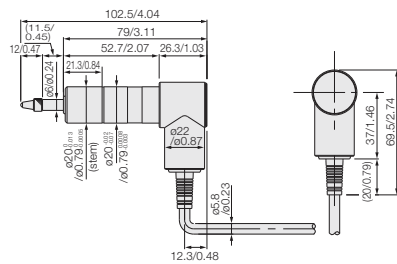
- Measuring range : 10 mm / 0.39" and 25 mm / 0.98" ● Accuracy : 2 μ m
- Resolution : 0.5 μ m ● Excellent resistance to workshop conditions.
- High measuring force (10PR5/10PLR5/25PR5/25PLR5)
- Low measuring force (10NR5/25NR5/25NLR)
- A variety of accessories available (See "Accessories for Gauges")
- Direct connected to A/B quadrature counter



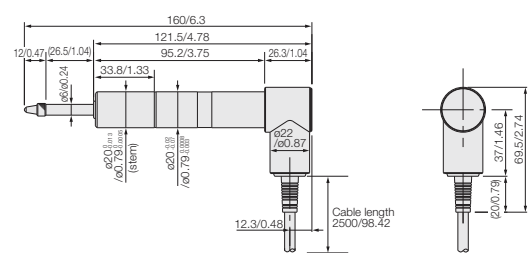
Digital Gauge

Dimensions

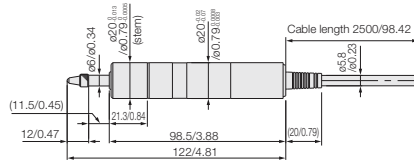
DK10PLR5



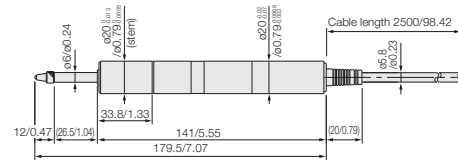
DK25NLR5/PLR5



DK10NR5/PR5



DK25NR5/PR5



Unit : mm/inch

Specifications								
Model		DK10NR5	DK10PR5	DK10PLR5	DK25NR5	DK25PR5	DK25NLR5	DK25PLR5
Output	A/B/Z phase voltage-differential line driver output (compliant with EIA-422) *Please see P17 Output Signal Phase Difference.							
Resolution* ¹				0.5 μm				
Measuring range	10 mm			25 mm				
Accuracy (at 20°C)	2 μm							
Measuring force (at 20°C)	Upward	0.3 ± 0.25 N	4.9 N or less	0.4 ± 0.3 N		4.9 N or less	0.4 ± 0.3 N	4.9 N or less
	Horizontal	0.6 ± 0.3 N		0.7 ± 0.35 N			0.7 ± 0.35 N	
	Downward	0.8 ± 0.35 N		1 ± 0.4 N			1 ± 0.4 N	
Reference point	One location (at 1 mm position of spindle movement)							
Maximum response speed	250 m/min							
Vibration resistance (10 to 2000 Hz)	150 m/s ²							
Impact resistance (11 ms)	1500 m/s ²							
Protective structure	IP50	IP64			IP50	IP64	IP50	IP64
Operating temperature	0°C to 50°C							
Storage temperature	-20°C to 60°C							
Power supply voltage	DC +5 V ±5%							
Power consumption	1 W or less							
Cable length* ²	Approx. 2.5 m							
Diameter of stem	ø 20.8 ₀₁₃ mm							
Mass* ³	Approx. 230 g				Approx. 300 g			
Feeler	Provided with a carbide ball tip DZ-122 (Mount screw M2.5)							
Output cable length	22 m max.							
Guaranteed number of Strokes	Minimum 5 million cycles without shock							
Accessories	+P M4x5 screw (2 pcs.), Instruction Manual							

*1 : The resolution setting needs to be made when connecting to the LT30 series, MG series, and LY70 series. For details, please refer to the respective instruction manual.

*2 : Please refer to P10 DK 802 A/B about the extension cable (Option).

*3 : The mass indicated is the total mass excluding the cable and interpolation box.