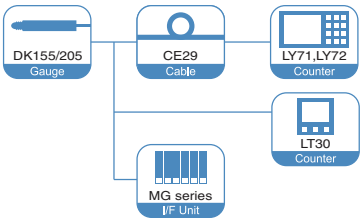
DK

DK155/205

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

- Measuring range : 155 mm / 6.1" and 205 mm / 8.07"
- Accuracy : 5 μm (DK155PR5), 6 μm (DK205PR5)
- Resolution : 0.5 μm ● Excellent resistance to workshop conditions.
- Magnet feeler (DG155BP/205BP)
- Direct connected to A/B quadrature counter



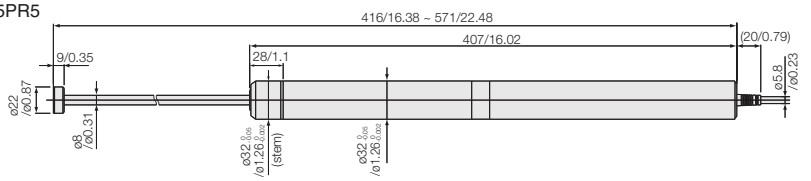
DK155PR5/DK205PR5

*The photo shows DG155PR5

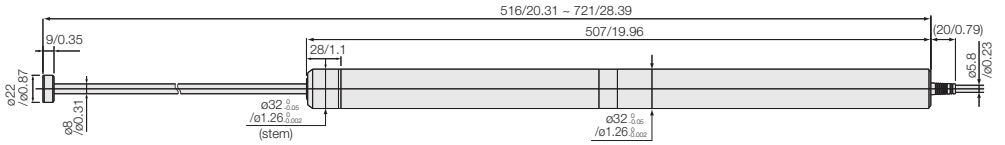
Digital Gauge

Dimensions

DK155PR5



DK205PR5



Unit : mm/inch

Specifications

Model	DK155PR5	DK205PR5
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	155 mm	205 mm
Accuracy (at 20℃)	5 μm	6 μm
Reference point	One location (at 5 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	IP64	
Operating temperature	0℃ to 50℃	
Storage temperature	-20℃ to 60℃	
Power supply voltage	DC +5 V ±5%	
Power consumption	1 W or less	
Cable length*2	Approx. 2.5 m	
Diameter of stem	ø3$_{-0.05}^{0}$ mm	
Mass*3	Approx. 1100 g	Approx. 1300 g
Feeler mounting base	Magnetic substance	
Magnetically attachable feeler	Magnetic attraction: 10 N, resistance against horizontal slip: 2.7 N Provided with ø4 mm carbide ball tip	
Spindle*4	ø 8 mm, radial swing: 0.04 mm max.	
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.
*4 : The spindle weighs about 400g.