

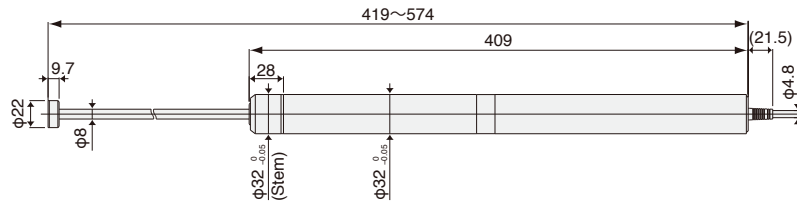
# DK DK155/205

Resolution **0.5μm** Stem **φ32** Stroke **155mm** Stroke **205mm** Output **A/B phase**

\* DK155PR5

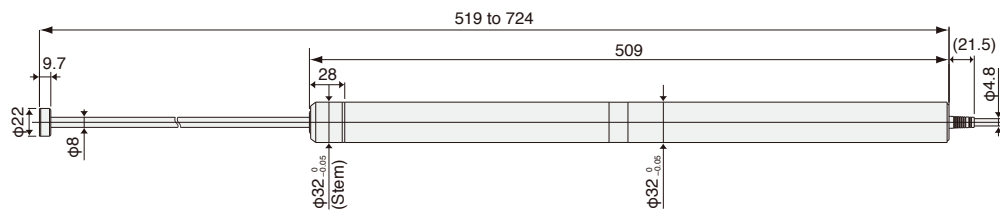


DK155PR5



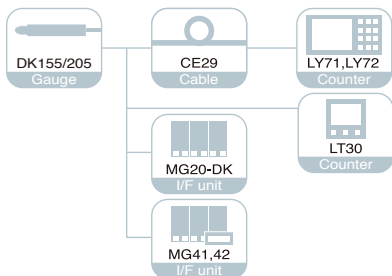
\* Upon installation, clamp the stem.

DK205PR5



\* Upon installation, clamp the stem.

Unit: mm



Specifications		DK155PR5	DK205PR5
Model		DK155PR5	DK205PR5
Measuring range		155 mm	205 mm
Maximum resolution		0.5 μm	
Accuracy (at 20°C/68°F)		5 μm	6 μm
Maximum response speed		250 m/min	
Reference point		Position at spindle movement of 5 mm	
Reference-point response speed		Same as the noted maximum response speed	
Output		A/B/reference point Voltage-differential line driver output (conforming to EIA-422)	
Spindle drive system		None	
Protection grade <sup>1</sup>		IP64	
Vibration resistance		10 to 2000 Hz 150 m/s <sup>2</sup>	
Impact resistance		1500 m/s <sup>2</sup> 11 ms	
Operating temperature		0 to 50 °C	
Storage temperature		-20 to 60 °C	
Power supply		5 VDC±5 %	
Power consumption		1 W	
Mass <sup>2</sup>		Approx. 1100 g	Approx. 1300 g
Output cable length		2.4 m	
Surface to be measured		Soft magnetic material	
Magnetically attachable feeler		Magnetic attraction: 10 N, resistance against horizontal slip: 2.7 N, Provided with a φ4 mm carbide ball tip	
Spindle <sup>3</sup>		φ8 mm, radial swing: 0.04 mm max.	
Accessories		Instruction Manual, +P M4 × 5 screw (2pc)	

<sup>1</sup> Excluding the interpolation box and connector

<sup>2</sup> Excluding cable section and interpolation box

<sup>3</sup> The spindle weighs about 400 g.