

DK DK155/205

Resolution
0.5μm

Stem
φ32

Stroke
155mm

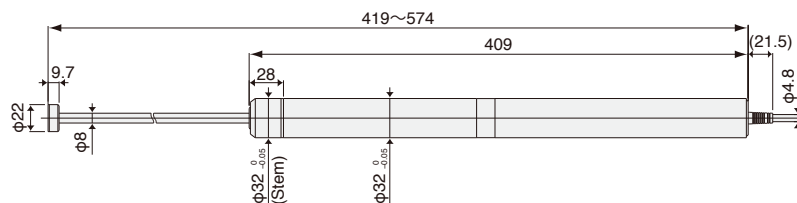
Stroke
205mm

Output
A/B phase

* DK155PR5

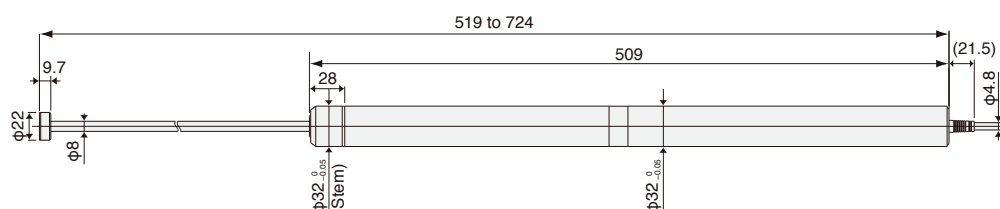


DK155PR5



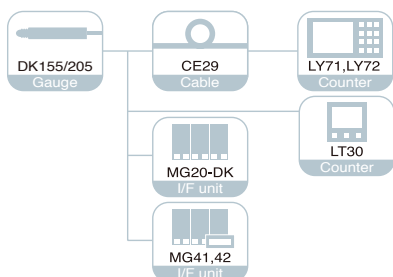
* Upon installation, clamp the stem.

DK205PR5



* Upon installation, clamp the stem.

Unit: mm



Specifications		
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 ^{*1}	IP64	
Vibration resistance	10 to 2000 Hz 150 m/s ²	
Impact resistance	1500 m/s ² 11 ms	
Operating temperature	0 to 50 °C	
Storage temperature	-20 to 60 °C	
Power supply	5 VDC±5 %	
Power consumption	1 W	
Mass ^{*2}	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 ^{*3}	φ8 mm, radial swing: 0.04 mm max.	
Accessories	Instruction Manual, +P M4 × 5 screw (2pc)	

*1 Excluding the interpolation box and connector

*2 Excluding cable section and interpolation box

*3 The spindle weighs about 400 g.