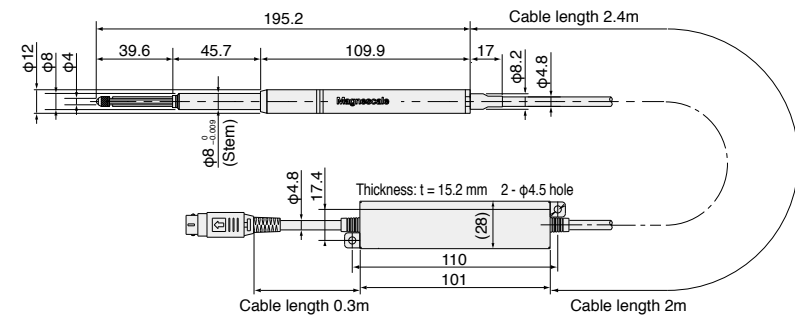
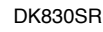
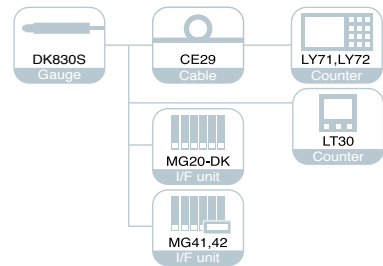


Resolution **0.1μm** Stem **φ8** Stroke **30mm** Output **A/B phase**



* Upon installation, clamp the stem.

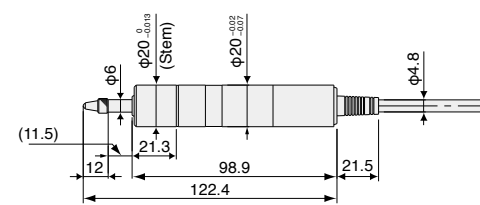
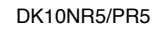


Specifications

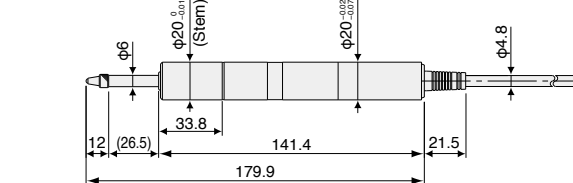
Model	Straight model	Right angle model	Pneumatic push type
	DK830SR	DK830SLR	DK830SVR
Measuring range	30 mm		
Maximum resolution	0.1 μm (0.5 μm resolution can also be selectable as special specifications.)		
Accuracy (at 20°C/68°F)	1.3 μm		1.7 μm
Measuring force (at 20°C/68°F)	Upward: 0.5±0.35 N Horizontal: 0.6±0.35 N Downward: 0.7±0.35 N		Upward: 0.5±0.35 N Horizontal: 0.6±0.35 N Downward: 0.7±0.35 N
Maximum response speed	80 m/min		
Reference point	Position at spindle movement of 1mm		
Reference-point response speed	Same as the noted maximum response speed		
Output	A/B/reference poin Voltage-differential line driver output (conforming to EIA-422)		
Spindle drive system	Spring push		Pneumatic push
Protection grade ¹⁾	IP53	IP53/IP67 ²⁾	
Vibration resistance	20 to 2000 Hz 100 m/s ²		
Impact resistance	1000 m/s ² 11 ms		
Operating temperature	0 °C to 50 °C		
Storage temperature	-20 °C to 60 °C		
Power supply	5 VDC±5 %		
Power consumption	1 W		
Mass ³⁾	Approx. 70 g		Approx. 80 g
Output cable length	2.4 m		
Feeler	Carbide ball tip, Mounting screw M2.5		
Accessories	Instruction Manual, +P M4 × 5 screw (2pc)		

*1 Excluding the interpolation box and connector *2 When the bellows set (optional accuracy) is mounted *3 Excluding cable section and interpolation box

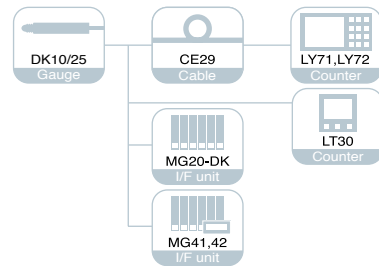
Resolution 0.5μm Stem φ20 Stroke 10mm Stroke 25mm Output A/B phase



* Upon installation, clamp the stem.



* Upon installation, clamp the stem.



Specifications

Model	Standard model	Protected type model		Standard model	Protected type model	Standard model	Protected type model
	DK10NR5	DK10PR5	DK10PLR5	DK25NR5	DK25PR5	DK25NLR5	DK25PLR5
Measuring range	10 mm			25 mm			
Maximum resolution	0.5 μm						
Accuracy (at 20°C/68°F)	2 μm						
Measuring force (at 20°C/68°F)	Upward: 0.3±0.25 N Horizontal: 0.6±0.3 N Downward: 0.8±0.35 N	4.9 N or less		Upward: 0.4±0.3 N Horizontal: 0.7±0.35 N Downward: 1±0.4 N	4.9 N or less	Upward: 0.4±0.3 N Horizontal: 0.7±0.35 N Downward: 1±0.4 N	4.9 N or less
Maximum response speed	250 m/min						
Reference point	Position at spindle movement of 1 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	Spring push						
Protection grade ¹⁾	IP50	IP64		IP50	IP64	IP50	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. 230 g			Approx. 300 g			
Output cable length	2.4 m						
Feeler	Carbide ball tip, Mounting screw M2.5						
Accessories	Instruction Manual, +P M4 × 5 screw (2pc)						

*1 Excluding the interpolation box and connector *2 Excluding cable section and interpolation box