

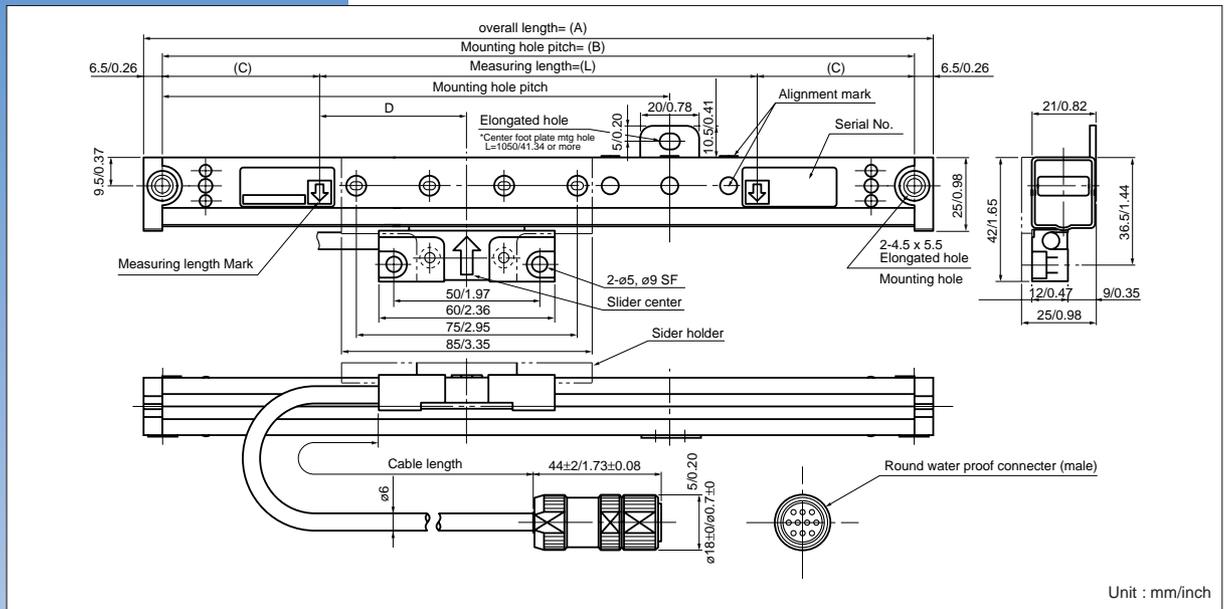
Compact, high accuracy scale for position control

- Magnetic principle
- Excellent resistance to workshop conditions (IP54). Resistant to oil, dirt, vibrations and shocks.
- Compact design
- High accuracy: $\pm 3 \mu\text{m}$
- Resolution: $0.5 \mu\text{m}$
- Measuring length: 50 to 1250 mm / 1.9" to 49.2"
- Same expansion coefficient as machine tools ($(11 \pm 1) \times 10^{-6} / ^\circ\text{C}$)

Specifications

Model	SR127-005 to SR127-020	SR127-025 to SR127-125
Measuring length L mm (inch)	50/100/150/200 (1.9/3.9/5.9/7.8)	250/300/350/400/450/500/550/650/750/850/950/1050/1250 (9.8/11.8/13.7/15.7/17.7/19.6/21.6/25.5/29.5/33.4/37.4/41.3/49.2)
Overall length	L + 104 mm/ 4.1"	L + 120 mm/ 4.7"
Max. travel	L + 14 mm/ 0.55"	L + 30 mm/ 1.18"
Accuracy (at 20 °C / 68 °F)	$\pm 3 \mu\text{m}$	
Resolution	$0.5 \mu\text{m}$	
Max. response speed	60m/min	
Mounting parallelism	Within 0.1mm/0.004"	
Expansion coefficient	$(11 \pm 1) \times 10^{-6} / ^\circ\text{C}$	
Protective design grade	Equivalent to IP54	
Operating temperature	0 °C to 40 °C / 32 °F to 104 °F	
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F	
Cable length	300mm/11.8"	

Dimensions



*The scale does not include head cable.