

MSS-101

Scale with a long measuring length for large size machine tools

- Magnetic principle
- Excellent resistance to workshop conditions (IP54). Resistant to oil, dirt, vibrations and shocks.
- Accuracy: $\pm (2.5 + 2.5L / 1000) \mu\text{m}$ (L= measuring length in mm)
- Resolution: 0.5 μm
- Measuring length up to 30 m / 1181.1"

Specifications

Model	MSS-101
Measuring length L mm (inch)	3200 to 30000 (125.9 to 1181.1)
Overall length	L +350 mm/ 13.8"
Max. travel	L +90 mm/ 3.54"
Accuracy (at 20 °C / 68 °F)	$\pm (2.5 + 2.5L / 1000) \mu\text{m}$
Resolution	0.5 μm
Max. response speed	30 m/ min
Mounting parallelism	Within 0.1 mm/ 0.004"
Expansion coefficient	$(11 \pm 1) \times 10^{-6} / ^\circ\text{C}$
Protective design grade	Equivalent to IP54
Operating temperature	-5 °C to 40 °C / 23 °F to 104 °F
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F
Compatible read head	HA-101 or HA-101V (Option)

*Read head is sold separately.

Dimensions

