

Reference Gages



Standard Scales
SERIES 182 — Made of Low Expansion Glass

- High-precision glass scales manufactured under Mitutoyo’s leading-edge Linear Scale production technology. They are considered top-grade length standards.
- Standard scales can be used as a traceable standard of length for calibrating measuring instruments.



SPECIFICATIONS

Metric						
Code No.	Range (mm)	Length (mm)	Width (mm)	Thickness (mm)	Graduation thickness (μm)	Graduation (mm)
182-501-50	250	280	20	10	4	1
182-501-60*						
182-502-50	500	530	30	20	4	1
182-502-60*						

- Material: Low expansion glass
- Thermal expansion coefficient: $(0.00\pm0.02)\times10^{-6}/K$
- Accuracy (at 20 °C): $(0.5 + L/1000) \mu m$, L=Measured length (mm)
- * With English JCSS certificate.

DIMENSIONS

