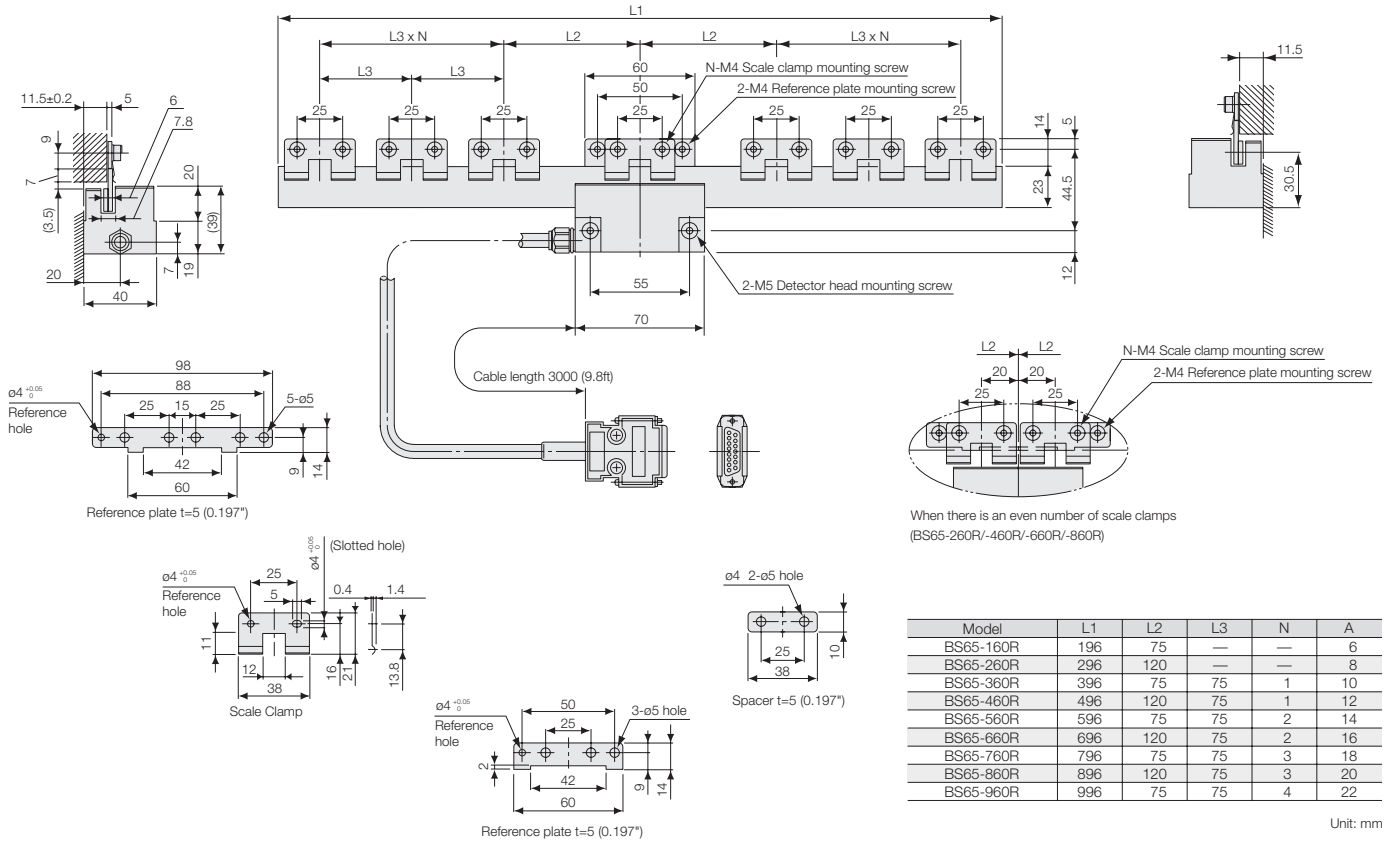


External Dimensions

● BS65-xxxN(NS)(measuring length:160/260/360/460/560/660/760/860/960)



Main specifications

Model	BS65-R
Measuring length	160/260/360/460/560/660/760/860/960
Overall length	Measuring length + 36mm
Max. travel length	Measuring length + 10mm (5mm on each side)
Accuracy (at20°C)	L < 460 : (0.1 + 0.4L/100) μ m or less L \geq 460 : 3 μ m or less L : Measuring length (mm)
Zero point accuracy	$\pm 0.1 \mu$ m
Zero point position	At the center, and every 50mm from the center to the left and to the right (BS78 models with measuring lengths of 320, 370, 420mm: 20mm offset from the center at 50mm intervals)
Reference point detection direction	Single direction
Return error	In principle, No Return error.
Repeatability	In principle, No Return error.
Temperature coefficient	$8 \times 10^{-9}/^{\circ}\text{C}$
Light source	Semiconductor laser Wavelength, 780nm, Maximum output 10mw
Radiation power	DHHS class 1
Detection type	Diffraction grating scan type
Operating temperature	10°C to 30°C (No condensation)
Storage temperature	-10°C to 50°C (Humidity less than 60%)
Weight (kg/lbs)	0.5kg to 1.0kg (including head)