



MACOME Scale is consisted of Scale, Head and Detector. Magnetic graduations magnetized on the Scale at an interval of 4mm pitch are read out by Head at Operation distance 0.3mm (0.05mm to 0.55mm) as AB phase sinusoidal voltage. The signal are interpolated 1/10, 1/20 or 1/100 by Detector to generate AB phase signal.

SPECIFICATIONS :

Operation Distance	0.3mm (0.05mm to 0.55mm)
Effective Length	0.1m to 40m
Resolution	0.4mm, 0.2mm, 0.04mm
N4 by counter (user side)	0.1mm, 0.05mm, 0.01mm
Accuracy	$\pm(0.1+0.025L)$ mm L=Effective length (unit: meter)
Supply voltage	+12 VDC $\pm 10\%$ or +16 to +30 VDC
Output	Transistor Open Drain Applicable voltage 30V max. Sink current 100mA max.
Output mode	AB phase
Response time	10m/s max.
Operation Temperature	-10°C to 50°C (Head) -10°C to 50°C (Scale) -10°C to 60°C (Detector)