

# SL331 PL60

## Non-contact, detection and a high response speed

- Magnetic principle
- Excellent resistance to workshop conditions (IP65).  
Resistant to oil, dirt, vibrations and shocks.  
Read head resistant to external magnetic field.
- Accuracy:  $\pm (15 + 5L/1000) \mu\text{m}$  (L=measuring length in mm)
- Resolution: SL331 with PL60  $\rightarrow 5 \mu\text{m}, 10 \mu\text{m}$
- High response speed: 250 m/min with a resolution of 5  $\mu\text{m}$
- Available in length of up to 8 m / 314.9"
- Easy installation
- Automatic position control for layout machines and other dedicated machines

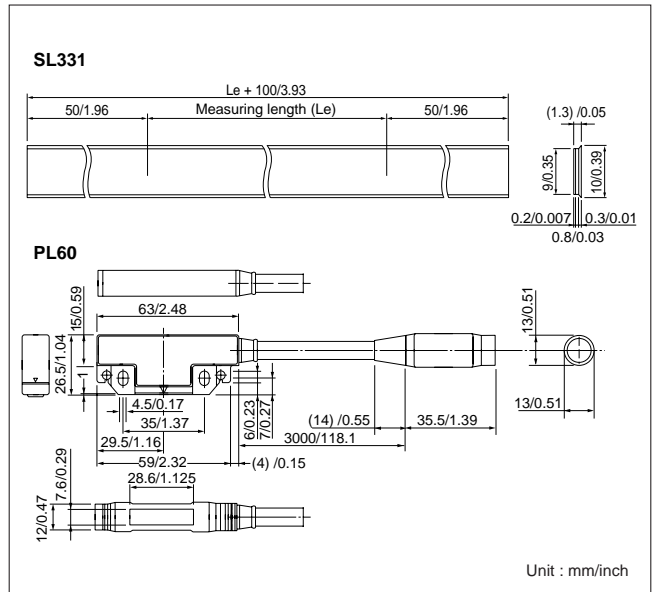
### SL331 Specifications

Model	SL331-20 to SL331-800
Measuring length L mm (inch)	200/300/400/500/600/700/800/1000/1200/1500/1600/1700/1800/2000/2500/3000/4000/5000/6000/7000/8000 (7.8/11.8/15.7/19.6/23.6/27.5/31.4/39.3/47.2/59.0/62.9/66.9/70.8/78.7/98.4/118.1/157.4/196.8/236.2/275.5/314.9)
Overall length	L + 100 mm / 3.9"
Accuracy (at 20 °C / 68 °F)	$\pm (15 + 5L/1000) \mu\text{m}$
Resolution	5 $\mu\text{m}$
Max. response speed	Varies with the resolution (250 m/min with 5 $\mu\text{m}$ resolution)
Expansion coefficient	$(10.4 \pm 1) \times 10^{-6} / ^\circ\text{C}$
Operating temperature	-5 °C to 45 °C / 23 °F to 113 °F
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F
Compatible read head	PL60

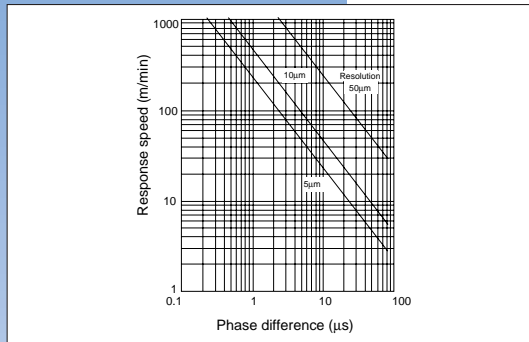
### PL60 Specifications

Model	PL60-3
Scale head clearance	Max.0.8 mm/ 0.031" (no contact)
Protective design grade	Equivalent to IP65
Operating temperature	-5 °C to 45 °C / 23 °F to 113 °F
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F
Read head cable length	3 m / 9.8'
Compatible scale	SL331
Compatible detector	MJ100/ 110

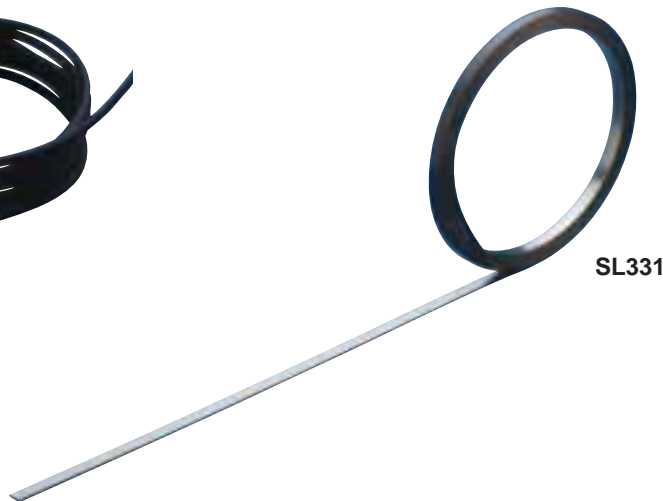
### Dimensions



### Response speed of PL60



PL60



SL331