

PL81 PL82

Integrated read head and detector unit for position control

- Compact design
- Detector unit for automated position control
- High response speed: 300 m/mim
- Resolution: 10 μm, 20 μm, 50 μm, 100 μm

Specifications

Model	PL81					PL82				
	-3	-5	-7	-A	-B	-3	-5	-7	-A	-B
Cable length	3 m	5 m	7 m	10 m	15 m	3 m	5 m	7 m	10 m	15 m
Mass (g)	640	720	800	910	1050	640	720	800	910	1050
Accuracy (at 20 °C / 68 °F)	± (25 + 5L/ 1000) μm (L: measuring length in mm) (Varies with scale SL 110/130)									
Resolution	10, 20, 25, 50, 100 μm									
Alarm display	LED turns orange. (green for normal operation)									
Output circuit	A/B phase signal by open collector					A/B phase signal by differential line driver (equivalent of MC34C87)				
Max. response speed	300 m/ min									
Clearance	Max. 1.5 mm									
Power supply	DC 10 ~ 30 V					DC 5 V ± 5 %				
Power consumption	Max. 70 mA (2.1 W)					Max. 300 mA (1.5 W)				
Protective design grade	Equivalent to IP67 (exclude head cable)									
Operating temperature	0 °C to 45 °C / 32 °F to 113 °F									
Storage temperature	-20 °C to 50 °C / -4 °F to 122 °F									

Dimensions

