

SL



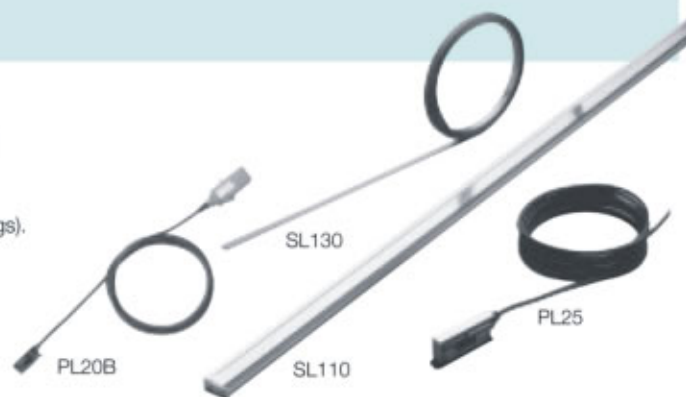
SL110/SL130 PL20B/25

Non-contact detection and a long measuring range

- Magnetic principle
- Excellent resistance to workshop conditions (PL20B equivalent to IP67). Resistant to oil, dirt, vibration, and shock.
- Resolution: 10 μ m
- Max. response speed: 300 m/ min (varies with the read head and settings).
- Available in lengths up to 30 m (SL130)
- High cost efficiency. Easy installation on all types of machines from wood working to metal cutting.

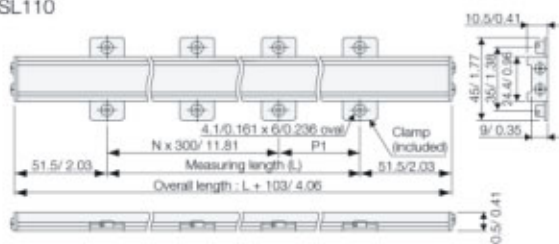
Example for connection

Scale	Head cable	Cable	Interpolator
SL110/130	PL81/82 PL25	CEB CX-T12/13/14/15/16	MJ100/110



Dimensions

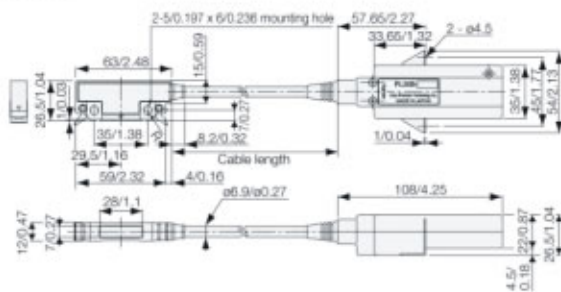
SL110



SL130



PL20B



PL20B/25 Specifications

Model	PL20B						PL25
	-3	-5	-A	-B	-C	-D	
Read head cable length	3 m/9.8'	5 m/16.4'	10 m/32.8'	15 m/49.2'	20 m/65.6'	30 m/98.4'	3 m/9.8'
Scale-head head clearance	Max. 1.5 mm/ 0.059" (no contact)						
Protective design grade	Equivalent to IP67						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						
Compatible scale	SL110 and SL130						
Compatible interpolator	—						MJ100/110
Compatible displays	LH and LY						—
Head mtg. screw tightening torque	0.7 to 1.1N • m						
Extension cable (option)	—						CEB-01...1m/CEB-03...3m, CEB-05...5m/CEB-10...10m, CEB-15...15m

*For cable lengths greater than 15 meters, please contact our sales office.

Unit : mm/inch

SL110/130 Specifications

Model	SL110	SL130	
	-20 to -200	-20 to -700	-800 to -3000
Measuring length L mm (inch)	200/300/400/500/600/700/800/1000/1200/ 1500/1600/1700/1800/2000 (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)	200/300/400/500/600/700/800/1000/1200/ 1500/1600/1700/1800/2000/2500/3000/ 4000/5000/6000/7000 (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)	8000/9000/10000/20000/30000 (314.9/354.3/393.7/787.4/1181.1)
Overall length	L+103 mm/ 4.1"	L+100 mm/ 3.9"	
Accuracy (at 20 °C / 68 °F)	(50 + 10L/ 1000) μm		(50 + 10L/ 1000 + 20N) μm L : Measuring length(mm) N=1when L=8000/9000/10000 , N=2 when L=20000 , N=3 when L=30000
Resolution	10 μm		
Max. response speed	300 m/ min		
Expansion coefficient	(10.4 ± 1) x 10 ⁻⁶ /°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	PL20B/ 25		
Compatible read head and interpolator	PL81/ 82 Series		

*Accuracy shows the value when used with PL20B/25 read head and PL81/82.