

SL

SL110/SL130 PL20C

Non-contact detection and a long measuring range

- Magnetic principle
- Excellent resistance to workshop conditions (PL20C equivalent to IP65).
Resistant to oil, dirt, vibration, and shock.
- Resolution: 10 μm
- 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.

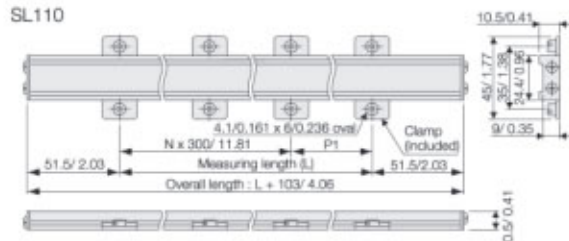
Scale	Head/Cable	Counter
SL110/130	PL20C	LY171/72 LY71/72



DIGIRULER®

Dimensions

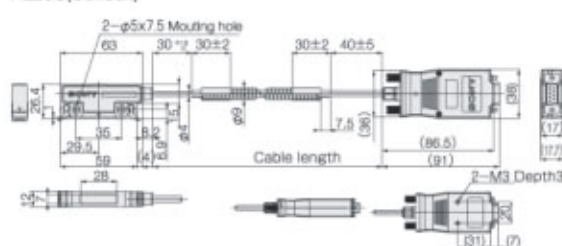
SL110



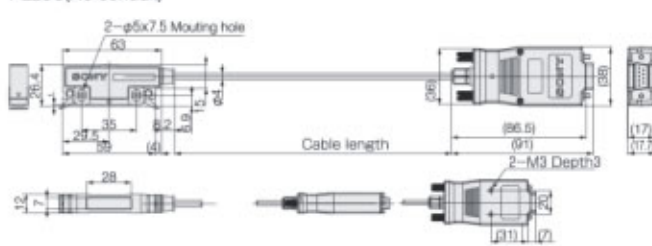
SL130



PL20C(Conduit)



PL20C(No conduit)



PL20C Specifications

Model	PL20C-3/-3C	PL20C-5/-5C	PL20C-10/-10C	PL20C-15/-15C	PL20C-20/-20C	PL20C-30
Cable length	3 m	5 m	10 m	15 m	20 m	30 m
Output signal	A/B quadrature signal					
Resolution	10 μm					
Maximum response speed	300m/min					
Head mtg. screw tightening torque	0.7~1.1N·m					
Operating temperature	0 to 45 °C/32 to 113 °F					
Storage temperature	-10 to 50 °C/-14 to 122 °F					

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)	± (25 + 5L / 1000) μm		± (25 + 5L / 1000 + 10N) μm N=1when L=8000 /9000/10000 , N=2 when L=20000 , N=3 when L=30000
Resolution	10 μm		
Max. response speed	300 mv /min		
Expansion coefficient	(11.1 ± 1) × 10 ⁻⁶ /°C	(10.4 ± 1) × 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	PL20C		

*Accuracy shows the value when used with PL20C read head.