

SSL-MMR20

Magnetostrictive float level sensor



PRODUCTS FEATURES

- High precision
- High stability
- High reliability
- Compact structure
- Strong environmental adaptability
- Non-contact measurement Strong anti-interference ability
- Protection class IP67
- Multiple signal outputs: 0~5V, 0~10V, 4~20mA,
- Synchronous serial output (SSI) with analog/digital conversion
- Can be installed inside the hydraulic cylinder
- Pressure resistance up to 700Bar
- Measuring stroke: 50-5000mm

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1. Technical specification

Table 1. Specification

Specifications	Technique data
Stroke length	0~50...100...200...300...1000...5000mm
Resolution	0.005mm
Nonlinearity	<±0.02%F.S
Repeatability	<±0.001%F.S
Update time	>1kHz
Fluctuation	<±0.01%F.S
Output signal	4~20mA, 0~5V, 0~10V, Profibus, Modbus, CANOpen, SSI
Operating voltage	24VDC
Current consumption	50-140mA
Electric shock	500V
Operating temperature	-40~75°C
Vibration proof	20g(5... 2000 Hz)
Strike proof	100g
Magnet speed	Any
Endurance pressure	35MPa/70MPa
Material	Sensor head : 304 stainless steel and aluminum; Sensor rod : 316 stainless steel
Electrical connection	6 pin DIN male connector, direct line out
IP protection	IP67

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2. Mechanical dimension

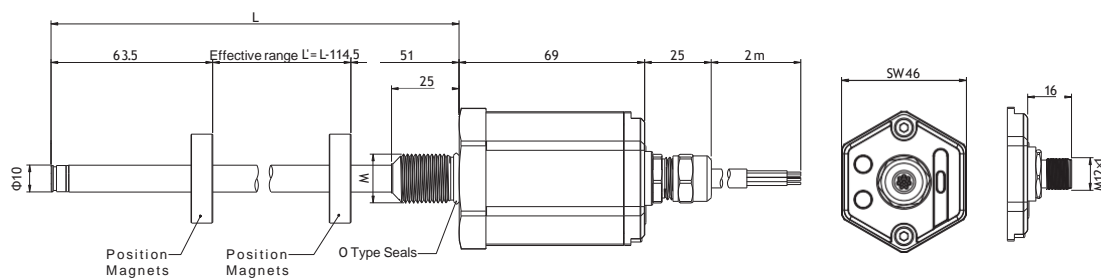


Figure 2.1. Mechanical dimensions

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3. Ordering code

SSL – MMR20 5000 K B I 4 10

