

15 series is the safe and reliable approach to level application in hazardous location. It is designed according to the explosion protection regulation.

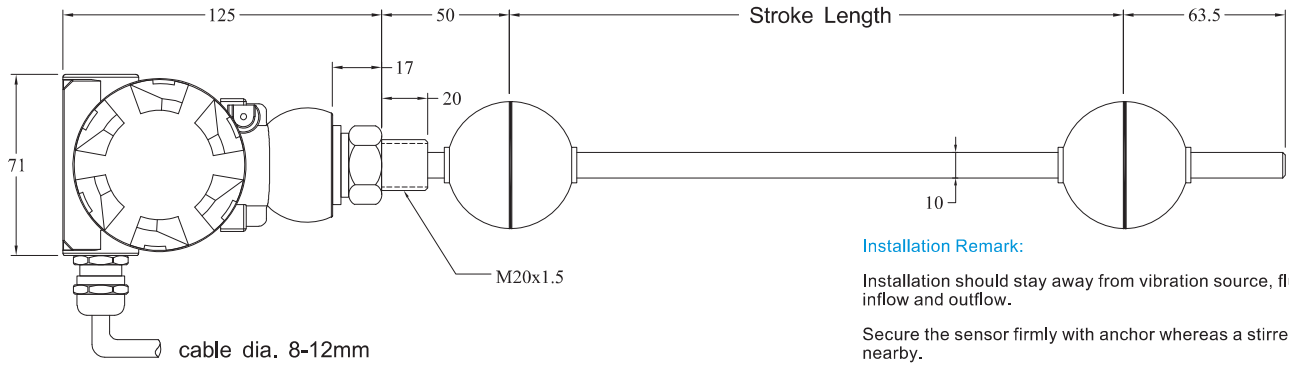
It adopts the non-contact magnet-rostrictive to provide feedback of fluid level and multi-interface level of a storage tank or process vessel. The non-contact feature provides exceptional ease of installation and guarantees almost unlimited mechanical life expectancy. The high versatile IP67 profile housing offers full protection against outside agents for use in harsh environments with high contamination and presence of dust.



Specifications

Order Code	150	151 / 152
Output	Voltage(0-10V)	Current (0-20mA, 4-20mA)
Measurement Type	Linear displacement	
Resolution	16 Bit D/A, 0.0015% (minimum 1µm)	
Repeatability	< ±0.001% of full scale (minimum ±2.5µm)	
Non-Linearity	< ±0.01% of full scale (minimum ±40µm)	
Update Time	0.5 ms up to 1200 mm / 1.0 ms up to 2400 mm 2.0 ms up to 4800 mm / 5.0 ms up to 7600 mm	
Input Voltage	+24Vdc (20.4 - 28.8Vdc)	
Input Protection	Polarity protection up to -30Vdc, Over voltage protection up to 36Vdc	
Power Consumption	100mA (stroke range dependent)	
Dielectric Strength	500Vdc (DC ground to machine ground)	
Connector Type	Internal wire terminal	
Pressure Rating	100 bar	
Operation Temp.	-40 to 75°C, Humidity 90% non-condensing	
Sealing	IP 67	
Vibration Rating	15g / 10-2000Hz / IEC standard 68-2-6	
Shock Rating	100g single hit per IEC standard 68-2-27	
EMC	Emission EN 68000-6-3, Immunity EN 61000-6-2, EN 61000-4-2/3/4/6	
Explosion Rating	Explosion protection only apply to stainless steel rod type	

Installation



Installation Remark:

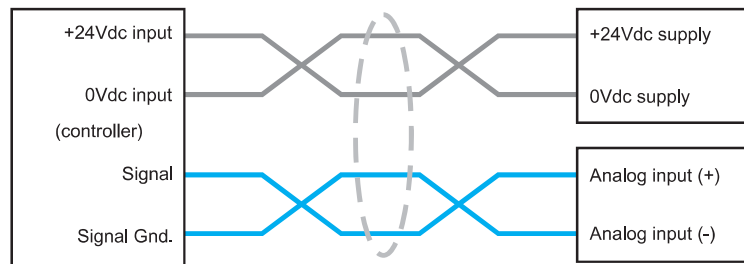
Installation should stay away from vibration source, fluid inflow and outflow.

Secure the sensor firmly with anchor whereas a stirrer nearby.

Wiring Connection



1	+24 Vdc
2	0 Vdc
3	Signal
4	Signal Gnd



Order Code

1 5 X X X X X X X X

Output

- 0 = 0 - 10V
- 1 = 4 - 20mA
- 2 = 20 - 4mA

Local Display

- 0 = None

Type

- H = Hydraulic Rod

Stroke Length (mm)

00500, 00525, 00550, 00575, 00600,
00625, 00650, 00675, 00700, 00725,
00750, 00775, 00800, (25mm increment after)

