

LEVEL MEASUREMENT

FD3051LD Remote Flange Liquid Level Transmitter Model Selection Table

Product Overview

FD3051LD Remote Flange Level Transmitter are a high-precision, high stability, multi-parameter pressure/liquid level measurement, with Hart protocol. This transmitter is welded capillary remote flange and inner silicon oil to avoid direct contact with the membrane film. The flange diaphragm can be selected according to the medium. It is suitable for liquid level measurement of medium such as high temperature, corrosion, suspension, viscosity, and crystallization.



Main Feature

◆ The central sensor used the world's leading sensor technology
◆ The sensor adopts digital compensation and non-linear correction, max adjustable range ratio of 100: 1
◆ Digital circuit design, adjustment button to zero on site
◆ EMC conforms to GB/T 18268.1 - 2008 standard
◆ IP65 protection design, suitable for field, open air and other harsh environments
◆ Meet the requirements of GB3836 standard, with explosion-proof certificate
◆ All diaphragm covering the sealing, suitable for high temperature, strong corrosion and other medium

Performance Index

Item	Technical Parameters
Measuring range	0-0.5m ~ 10m (see selection table)
Measuring Range Ratio	40:1
Comprehensive accuracy	0.25%F.S 0.5%F.S Optional
Long-term Stability	0.1%F.S/Year
Environment Temperature	-20℃ ~ 80℃
Medium Temperature	-40℃ ~ 200℃ 30℃ ~300℃ (Optional)
Power	12V ~ 32VDC (Recommend 24VDC)
Output Signal	4mA ~ 20mADC 1V-5VDC RS485 Optional
Protocol	MODBUS RTU/ HART
Electronic connection	M20*1.5(F)Standard, special can be customized
Protection Grade	IP65
Explosion-Proof Grade	Ex ia II C T6 Ga, Ex d II C T6 Gb, Ex tD A21 IP66 T80℃
Products Warranty	12 months

Dimensions	Electrical interface and wiring