

LEVEL MEASUREMENT

FD3051LT Intelligent Single Flange Level Transmitter

Product Overview

FD3051 series intelligent capacitance transmitter is a high-precision, high stability, multi-parameter pressure/differential pressure measurement product, with HART protocol. The reliable explosion-proof structure design and standardized signal output, high accuracy and wide range, suitable for precision measurement of fluid pressure. Performing digital communication with HART375 Communicator, and electromagnetic radiation meets the IEC801 standard.



Main Feature

◆ Wide measurement range. Gauge, Absolute, Negative pressure
◆ The sensor adopts digital compensation and nonlinear correction
◆ Digital circuit design, on-site adjustment button to zero
◆ IP65 protection design, suitable for field, open air and other harsh environments
◆ Meeting GB3836 standard, Obtained Explosion-proof certificate
◆ Laser marking, exquisite appearance

Performance Index

Item	Technical Parameters
Measuring range	0-0.5m ~ 50m (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
Protocal	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