FEATURES

- Ultra-slim 19 mm diameter for easy installation
- High-accuracy level measurement, up to ±0.1% F.S.
- Temperature compensation for excellent stability
- Fully welded construction
- Wide measurement range: 1 to 350 meters
- Dual anti-condensation and moisture-proof design
- Multi-layer sealing and protection, IP68-rated

DESCRIPTION

The LFT3019 Small-Diameter Level Transmitter features a fully sealed submersible structure and uses a high-quality, high-stability pressure sensor as its sensing element. Its slender 19 mm probe makes it ideal for narrow openings and is widely used for measuring the level and depth of water and wastewater in: Groundwater monitoring；Deep wells;Lift stations;Surface tanks;Storage reservoirs.

The housing is fully welded, and all connection points (housing, cable, etc.) are sealed with multi-layer protection. Internal components are potted to ensure long service life and reliable performance in: Water treatment;Industrial process control;Environmental monitoring.

SPECIFICATION

Measurement Range①	
Measurement Range	0～1...350mH_2O
Overload Pressure	1.5× full scale
Media	
Type	Liquids compatible with wetted materials
Output Signal & Power Supply	
Output Signal & Power Supply	2-wire: 4～20mA / Vs=10～30VDC
	3-wire: 0～10V / Vs=12～30VDC
	3-wire: 0～5V / Vs=10～30VDC
	3-wire: 0.25～1.25、0.5～2.5V / Vs=2.8～5.5VDC
	4-wire: Modbus-RTU/RS485 / Vs=10～30V
Performance	
Accuracy②	±0.25% F.S. （Standard Accuracy）
	±0.1% F.S. (High Accuracy)
Long-Term Stability	±0.2% F.S./year （Standard Accuracy）, ±0.1% F.S./year（High Accuracy）
Response Time	approx. 1 ms
Compensation Temp	
Compensation Range	0～70°C (Standard Accuracy)
	-20～85°C (High Accuracy)
	Note:For a range of ≤20kPa，please consult.
Zero Temp Drift	±1.0% F.S. @ 35°C (≤35kPa: ±1.5% F.S.，0~70℃)
Span Temp Drift	±1.0% F.S. @ 35°C (≤35kPa: ±1.5% F.S.，0~70℃)

Note①: Units can be converted to ftH_2O@4°C,inH_2O@4°C,m,mm,etc.For m/mm units, specify the medium's density value.
Note②: Accuracy conforms to IEC 60770 (non-linearity, hysteresis, repeatability).