

Submersible Hydrostatic Level[✓] Meter

CATALOG



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Our integrated submersible hydrostatic level transmitter is the ideal solution for accurate and reliable level monitoring in open containers, rivers, lakes, and wells. Engineered for simplicity and durability, it delivers exceptional performance in a wide range of applications.



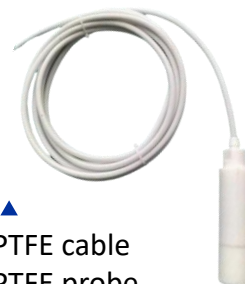
With Display



Without Display



Corrosion-resistant



PTFE cable
PTFE probe
Imported ceramic sensor

Features

- Employs diffused silicon pressure-sensitive elements and diaphragm isolation technology
- Cable connection, direct field connection, easy installation
- Amplifier circuit uses integrated chips, wide voltage power supply
- Anti-clogging and anti-scaling
- Lightning protection, frequency cutoff interference design, strong anti-interference capability
- Reverse wiring and overvoltage protection, current limiting protection (current-limited output)
- Good stability and fast response speed

01

Imported Integrated Chip

Utilizes diffused silicon pressure-sensitive element diaphragm isolation technology, offering high stability, strong anti-interference capabilities, and fast response

02

IP68 Protection

Completely sealed, dustproof and waterproof
304 housing, hard and slightly corrosion-resistant
316L diaphragm, high stability and fast response



03

Anti-Clogging Orifice

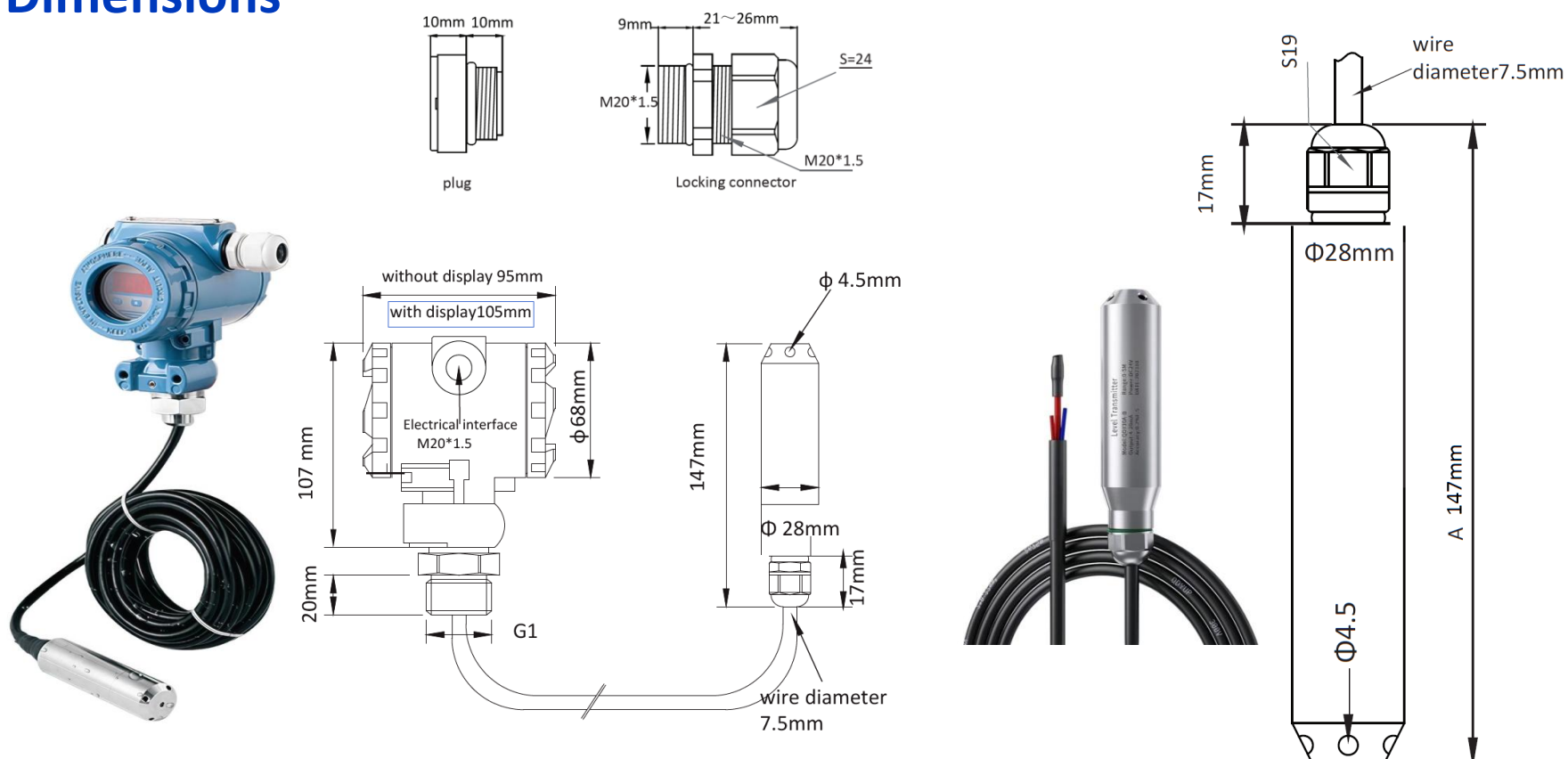
4.5mm anti-clogging pressure orifice design,
preventing clogging & scaling



Technical Datasheet

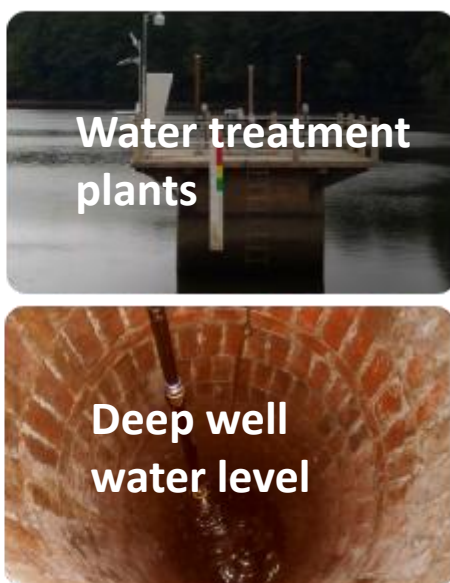
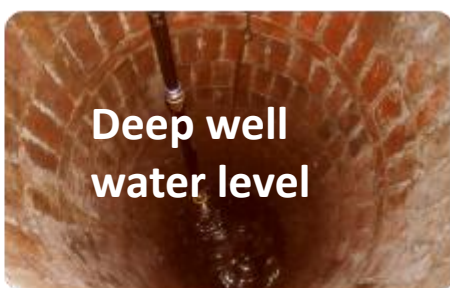
Type		With Display	Without Display
Measuring Medium		Water (H2O) or compatible with the contact material	
Material	Diaphragm	316L stainless steel (contact)	
	Sensor Housing	304 stainless steel (contact)	
	Seals	Fluoro rubber	
	Junction box	Die-cast aluminum	—
	Cable	Polyurethane (contact)	
Measuring Range		0~1~50mH2O	
Output		4~20mA, RS485 (standard Modbus- RTU protocol) (Customizable options: 0~10VDC, 0~5VDC, 1~5VDC, 0.5~2.5VDC)	
Optional Output		HART	—
Power Supply	24VDC (Intrinsically safe / Dust intrinsically safe)		—
	8-30VDC standard		
	12-30VDC Standard (with display or output 0-10VDC)		
	3~5VDC Customized (output 0.5~2.5VDC/RS485)		
Accuracy	0.1%FS (Range ≥10m) customized		
	0.25%FS (Range ≥10m) standard		
	0.5%FS (1m≤ Range <10m) standard		
Temperature		Medium temp: 40~60°C; Ambient temp: -40~85°C	
Temp. compensation		-10~60°C	
Intrinsically safe explosion-proof		Intrinsically safe Ex ia IIC T6 Ga (current output)	—
Intrinsically safe dust		Intrinsically safe dust type ExiaII C T6 Ga, Ex iaD 20 T80°C (current output)	—
Seismic resistance		10g (20...2000Hz)	
Overload capacity		200% of full scale	
Response frequency		Analog signal output ≤500Hz, digital signal output ≤5Hz	
Stability		±0.1% FS/year	
Temperature drift		±0.01%FS/°C (within temperature compensation range)	
Weight		Probe and junction box ≈ 1070g; cable ≈ 60g per meter	
Protection	Probe	IP68	
	Junction box	Standard type IP65	—
		Intrinsically safe type IP65	—
		Dust intrinsically safe type IP66	—
Power range	Current-type ≤ 0.02Us (W) (Us = Supply voltage)		
	Digital-type ≤ 0.015Us (W)		
	Voltage-type ≤ 0.008Us (W)		
	Voltage-type (output 0.5~2.5) ≤ 0.001Us (W)		

Dimensions



Application

The versatility of submersible level transmitters makes them ideal for numerous key applications. They are commonly deployed for monitoring levels in drinking water systems, at water level weirs, within pumping stations, and inside various liquid storage tanks. Furthermore, they play a critical role in water treatment plants, water circulation processes, and for measuring levels in deep wells.



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