



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

60G Radar Level Transmitter

SUP-WSR300

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Datasheet

60G Radar Level Transmitter SUP-WSR300

The stainless steel radar level transmitter is a multi-functional hydrological measurement equipment. The level transmitter can monitor the river water level and sewage conditions in real time and accurately through advanced radar technology and intelligent algorithms, providing strong support for environmental protection and urban management. Sewage monitoring radar level transmitter has the characteristics of convenient installation, simple maintenance, accurate data, and strong real-time performance. It is widely used in water conservancy, environmental protection, urban management and other fields

Applications

- Hydrological surveys of rivers, lakes, reservoirs and other waters provide reliable data support for hydrological forecasting, flood control and disaster reduction
- Monitoring of liquid level and other indicators of sewage treatment stations, industrial wastewater discharge, etc. to provide data support for sewage treatment and environmental protection supervision
- The monitoring and management of urban drainage pipe network provides real-time and accurate data support for urban management.

Features

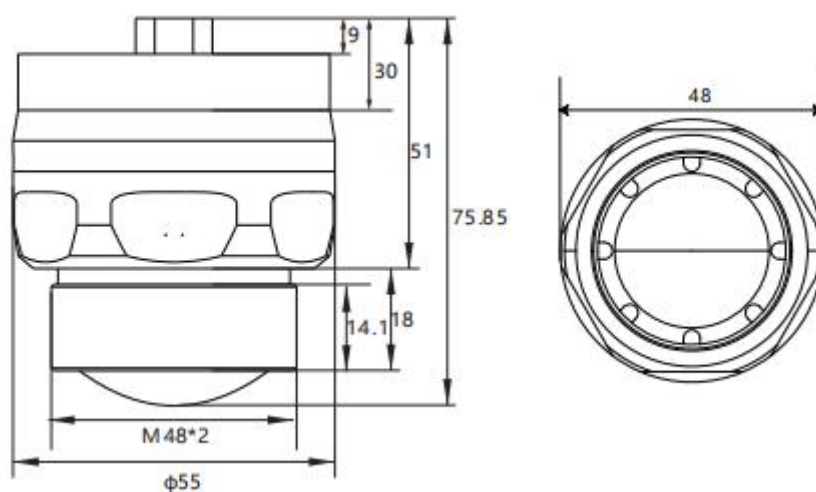
- Non-contact measurement: no need to touch the water surface, avoiding the risk of measurement errors and equipment damage
- High accuracy: through intelligent algorithm to process data, accurately measure water level, liquid level and other indicators
- Real-time performance: data is transmitted to the control center or user terminal in real time, can be queried and analyzed at any time;
- Easy maintenance: simple structure, low maintenance cost



60G Radar Level Transmitter

Parameters	
Measure range	0.1m~30m
Modulation waveform	FMCW
Transmission frequency	60GHz~64GHz
Blind zone	≤0.10m
Beam angle	±6°
Accuracy	±3mm
Resolution	±1mm
Response time	500ms
Ingress protection	IP67
Communication output	RS485
Power supply	(9~36) VDC
Power consumption	≤1W
Cable	7*0.3mm ²
Dielectric constant	≥1.5
Process pressure	(-0.1~0.6) MPa
Process temperature	(-40~85)°C

Dimension



(Unit:mm)

Ordering code

SUP-WSR300-M1-C1-T1									Description
SUP-WSR300	-	-	-	-	-	-	-	-	
Measuring Medium	A								Liquid
Measurement Range	10								10m
	20								20m
	30								30m
	XX								Other
Output and Power Supply	B1								RS485+Bluetooth, 24VDC
	XX								Other
Thread Type	LW								M48×2
	LB								G1 1/2
	XX								Other
Antenna Material and Thread Type Material	1								Polytetrafluoroethylene (PTFE), 304SS
	2								Polytetrafluoroethylene (PTFE), SS316L
	X								Other
High Temperature Resistance	TQ								'-40-85℃
	XX								Other
Housing Material and Ingress Protection	2								304SS, IP67
	3								SS316L, IP67
Cable Length	OC								0.8m
	XX								Other