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LEVEL Series

Parameter	Ultrasonic level sensor	Submersible level sensor	2088 submersible level sensor	Radar level sensor
Model	SUP-DP	SUP-P260	SUP-P261	SUP-RD701
Range	5m-60m	0 -50m	0 – 50m	Cable type 0-30m, rod type 0-6m
Accuracy	0.5%	0.3 / 0.5% (optional)	0.5%	0.1%
Temperature drift	≤0.01F.S/°C	≤0.01F.S/°C	≤0.01F.S/°C	≤0.01F.S/°C
Medium temperature	-20~80°C	-40~60°C	0~100°C	-40~120°C
Overload pressure	200%F.S	200%F.S	200%F.S	-
Power supply	24VDC, 220VAC±15% 50Hz	12VDC, 24VDC	12VDC, 24VDC	24VDC, 220VAC
Environment temperature	Converter -20-60°C Probe -20-80°C	0°C~85°C	0°C~85°C	-40°C~70°C
Ingress protection	IP65	IP68	IP68	IP67
Output signal	4-wire 4-20mA/510 load 2-wire 4-20mA/250 load	4~20mA, 1-5V 0-10mA	4~20mA,1~5V,0~10mA, 0~20mA,0~5V	4-20mA hart
Relay output	High relay/ Low relay, AC250V/8A or DC30V/5A	-	-	-
Communication	RS485 (optional)	RS485 (optional)	RS485 (optional)	RS485 (optional)
Material	ABS	Diaphragm: SS316L ; Body: SS304L; Cable: Polyurethane	Diaphragm: SS316L ; Body: SS304L; Cable: Polyurethane	Stainless steel
Process connection	Thread	-	-	Thread/ flange

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SUP-P260

Submersible Level Transmitter

FEATURE

Strong anti-interference capability

Easy installation, easy to use, strong interchangeability

Corrosion resistance, power supply is not required

Good sealing performance, high reliability, safe use

High sensitivity and fast response

Wide measurement range

The anti blocking design can measurement of the level of paste medium

Various measured, not affected by the foaming od deposition of the medium

The SUP-P260 input-type liquid level meter is based on the principle that the hydrostatic pressure is directly proportional to hte height of the liquid, and uses the piezoresistive effect of diffusion silicon to transform pressure into electrical signal. After temperature compensation ad linear correction, it is converted to 4-20mADC standard current signal and output. It is easy to install and measures accurately. It is widely used in liquid level measuremnt of various medium in petrochemical, metallurgy, power, pharmaceutical, water supply and drainage, environmental protection and other industries.

Power Supply	24V (default) 12V/5V (customized)	Body material	SS304
Signal output	4~20mA, 1~5V	Overload pressure	150%F.S
Range	0-50m	Long-term stability	≤0.2%F.S/year
Accuracy	0.3%/0.5% optional	Measurement medium	Liquid
Nonlinearity	≤0.5%F.S	Diaphragm material	316L stainless steel
Medium temperature	-40-60°C	Body material	SS304 or SS316L
Environment temperature	40-80°C	Ingress protection	IP68
Temperature compensation	0~50°C	-	-

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SUP-DP

Ultrasonic level transmitter

FEATURE

Intelligent adjustment response
Intelligent double-line display
Intelligent adjustable range
Processing of special echo
All physical closed probe
Multipoint emission circuit

SUP-DP Ultrasonic liquid level meter is the digital material level meter controlled by the microprocessor. During the measurring, the pulse ultrasonic wave is emitted by the sensor (transducer), the sound wave is reflected from the surface of the matter and received by the same sensor, and then it was transformed into the electrical signal. The distance between the sensor and the measured matter can be calculated by the time between the emission and receipt of the sound wave. With the non-contact measurement , the tested medium is almost unlimited. It can be widely applied to the measurement of various liquids and solid materials in environmental protection, water conservancy, chemical industry, metallurgy and other industries.

Range	5m, 10m, 1, 50m, 60m5m, 20m, 30m, 40m	Communication	RS485 (optional)
Probe installation	According to the selection of range and probe	Ingress protection	IP65, Probe: IP68
Signal output	4- wire 4-20mA/510 load, 2-wire 4-20mA/250 load	Accuracy	0.5%~1%
Relay output	High relay/ Low relay, AC250V/8A or DC30V/5A	Resolution	3mm or 0.1%
Power supply	24VCD/ 220AVC ±10%	Probe cable	N/A
Environment temperature	Display instrument: -20-+60°C,probe: -20-+80°C	Display	LCD