

Ultrasonic Measurement Series

Ultrasonic measurement series is used for material level and liquid level height measurement.

- Non-contact continuous measurement reduces maintenance.
- Analog signal output 4~20mA, support RS485 communication.
- The product has on-site adjustment and display functions.
- Especially suitable for environmental protection industry, sewage treatment site, etc.



Ultrasonic Measurement



Product Image			
Product Name	Integrated Ultrasonic Liquid Level Meter	Split-type Ultrasonic Liquid Level Meter	Intelligent Ultrasonic Liquid Level Meter
Product Number	FST700-CS01	FST700-CS02	FST700-CS03
Measuring Range	0~5...60M	0~5...60M	0~0.5...10M
Measurement Accuracy	0.5%~1%FS	0.5%~1%FS	0.3%FS
Resolving Power	3mm or 0.1% (large)	3mm or 0.1% (large)	<5mm
Measuring Medium	Position height of various liquids or solids	Position height of various liquids or solids	Various liquid media
Signal Output	4~20mA (4 Wire) 4~20mA (2 Wire)	4~20mA (2 Wire)	RS485
Transmission Mode	With RTU, can be wireless transmission	With RTU, can be wireless transmission	With RTU, can be wireless transmission
Supply Voltage	Standard with 24VDC, optional 220VAC, $\pm 10\%$ 50HZ 12VDC or battery powered	Standard with 24VDC, optional 220VAC, $\pm 10\%$ 50HZ 12VDC or battery powered	11~36VDC
Relay Output	Group 2: 250V/8A or 30VDC/5A	Group 2: 250V/8A or 30VDC/5A	—
Communication Function	RS485/RS232	RS485/RS232	RS485
Ambient Temperature	Instrument: -20~+60°C Probe: -20~+80°C	Instrument: -20~+60°C Probe: -20~+80°C	-25~+80°C
Installation Method	Threaded or flange	Threaded or flange	Thread G2A or M60X2
Display Mode	Chinese LCD display (English display is customizable)	Chinese LCD display (English display is customizable)	—
Material Science	Engineering plastic	Engineering plastic	Engineering plastic
Degree of Protection	Display instrument: IP66 Probe: IP68	Display instrument: IP65 Probe: IP68	Probe: IP67

Ultrasonic Measurement



Product Image			
Product Name	Economical Integrated Ultrasonic Level Gauge	Wireless Ultrasonic Liquid Level Meter	Small Range Ultrasonic Level Gauge
Product Number	FST700-CS08	FST700-CS09	FST700-CS10
Measuring Range	0.28~7.5M	0.28~7.5M	0.03...1M
Measurement Accuracy	$\pm(1\text{cm}+S*0.3\%)$ (S is the measured value)	$\pm(1\text{cm}+0.3\%\text{FS})$	$\pm(1\text{cm}+0.3\%\text{FS})$
Resolving Power	1mm	1mm	1mm
Measuring Medium	Position height of various liquids or solids	Position height of various liquids or solids	Position height of various liquids or solids
Signal Output	UART, PWM, Switch Volume, RS485	4G、NB-IoT	UART, PWM, Switch Volume, RS485
Transmission Mode	With RTU, can be wireless transmission 4G、NB-IoT	Wireless transmission 4G, NB-IoT	With DTU, can be wireless transmission
Supply Voltage	3.3~5VDC/5~12VDC	3.6V Battery power supply	3.3~5VDC、5~12VDC
Relay Output	No.1 relay	—	No.1 relay
Communication Function	RS485	MQTT、LWM2M	RS485
Ambient Temperature	-15~60°C	-20~+60°C	-25~+60°C
Installation Method	—	—	—
Display Mode	—	—	—
Material Science	Engineering plastic	Engineering plastic	Engineering plastic
Degree of Protection	IP68	IP66	IP65