



Brochure

Ultrasonic Mud Level Meter

SUP-JFC

Exclusive Distributor in Türkiye

MV Endüstriyel Ölçüm Cihazları Anonim Şirketi

Supmea®

Supmea Automation Co.,Ltd.

Committed to process automation solutions

Brochure**Ultrasonic Mud Level Meter
SUP-JFC**

The ultrasonic mud level meter, also known as an ultrasonic sludge interface meter, is an on-contact, easy-to-install and maintain instrument for measuring sludge thickness in fixed containers. It operates by transmitting ultrasonic waves through liquid to detect mud levels underwater and is a new generation of ultrasonic sludge interface developed by the company over many years, holding proprietary intellectual property rights.

Applications

- ☐ Sludge
- ☐ Mud
- ☐ Fixed Container

**Features**

- ☐ Non contact, easy to install and maintain.
- ☐ Allow for easy configuration to satisfy diverse requirements.
- ☐ When powered by a 24V source, the power consumption is 100mA without relays, 150mA with 2-way relays, and 200mA with 4-way relays.

Product name

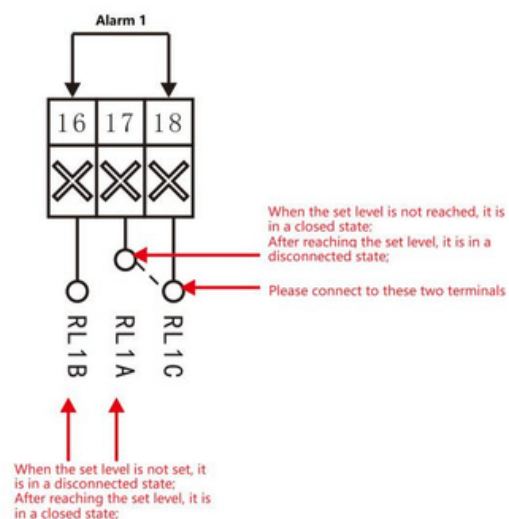
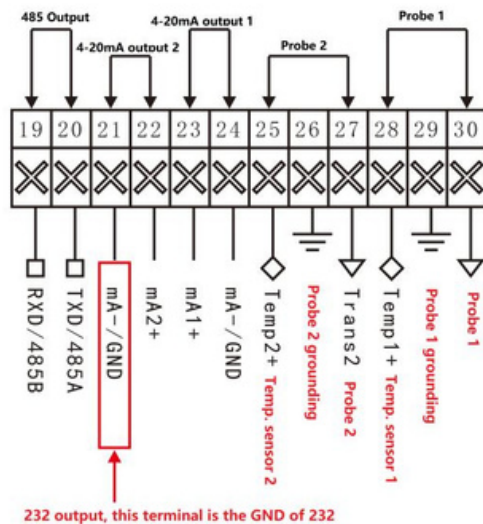
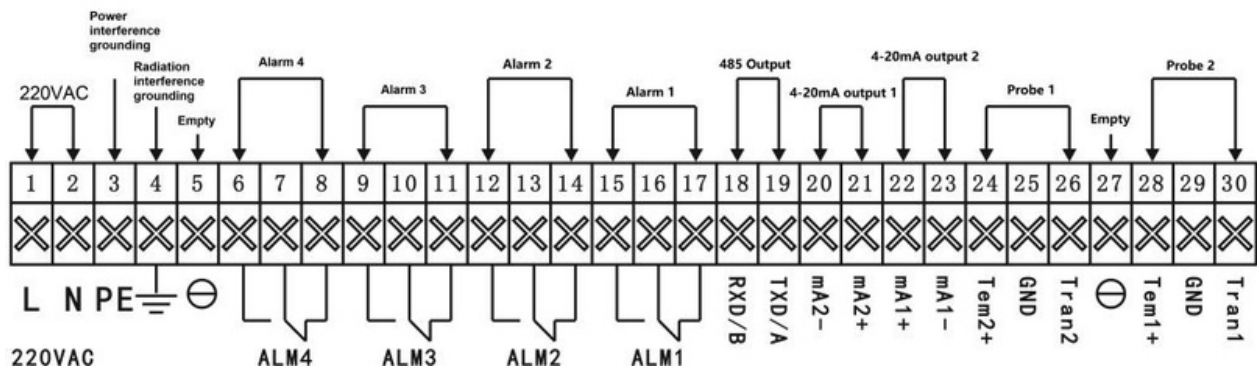
Ultrasonic Mud Level Meter

Principle

It operates by transmitting ultrasonic waves through liquid to detect mud levels underwater.

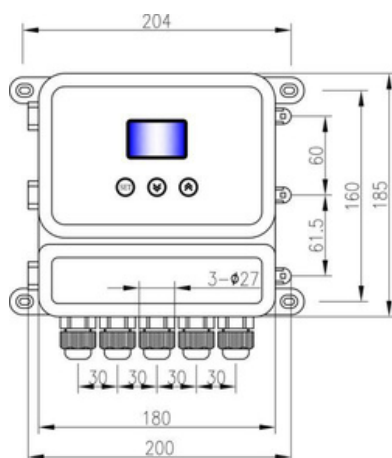
Parameters	
Structure	Remote Type
Range	Standard Ranges: 5m、10m、15m、20m Custom Ranges: 30m、40m、50m、60m、70m etc.
Measurement Accuracy	1%~3%
Resolution	5mm or 0.5% (whichever is greater)
Display	English LCD
Analog Output	4~20mA / 750Ω load
Relays Output	Single channel with 2 routes AC 250V/8A or DC 30V/5A Programmable status, up to 4 relay routes possible
Power Supply	Standard 220V AC+15% 50Hz Optional 24VDC 120mA Custom options for 12VDC or battery power available
Environmental Temperature	Display instrument: -20°C~+60°C Probe: -20°C~+80°C
Communication	Optional RS485, RS232 communication
Protection Grade	Display instrument IP65, Probe IP68
Probe Cable	Up to 100m, standard configuration 10m
Probe Installation	According to the range and probe selection.

Wiring

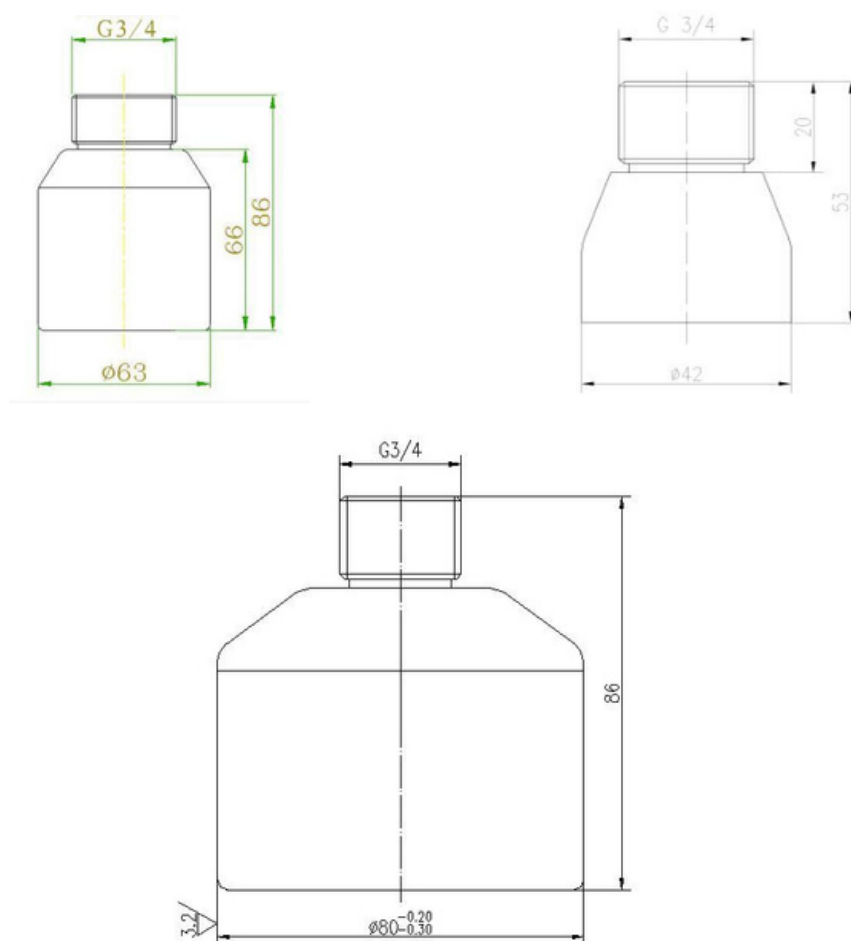


Dimension

- Dimensional drawing of the display instrument for the split-type ultrasonic sludge interface meter



- Dimensional drawing of the probe for the split-type ultrasonic sludge interface meter series



Ordering code

SUP-JFC-E-NS-Q-SA-WD-10					Description
SUP-JFC	----		-	-	
Measurement Range and Thread Type	E	F			5m, G3/4Thread
	G				10m, G3/4Thread
	P				15m, G3/4Thread
	X				20m, G3/4Thread
					Others
Probe Material		NS			PlasticABS
		N6			Polytetrafluoroethylene(PTFE)
		XX			Others
Accuracy			Q		3.0Level
Output			SA		4-20mA, 24VDC
			SH		4-20mA+DualGroupSPDT, 24VDC
			SM		4-20mA+FourGroupSPDT, 24VDC
			SE		4-20mA+RS485, 24VDC
			SQ		4-20mA+DualGroupSPDT+RS485, 24VDC
			SU		4-20mA+FourGroupSPDT+RS485, 24VDC
			SB		4-20mA, 220VAC
			2J		4-20mA+DualGroupSPDT, 220VAC
			SN		4-20mA+FourGroupSPDT, 220VAC
			SF		4-20mA+RS485, 220VAC
			2K		4-20mA+DualGroupSPDT+RS485, 220VAC
			SV		4-20mA+FourGroupSPDT+RS485, 220VAC
			XX		Others
Electrical Interface, Housing Material and Level of Protection				WD	M18×1.5CableGland,EngineeringPlastic,IP68
Probe Cable Length				10	10m
				15	15m
				20	20m
				30	30m
				XX	Others