

Open Channel Ultrasonic Flow meter



UTG21-DS



UTG21-D

UTG21 series ultrasonic open channel flow meter can directly display the instantaneous and cumulative flow. The built-in EEPROM digital memory makes sure that the data will not lose in case of power failure. With different built-in algorithms, the product supports weirs or notches of different standards in various countries and can be widely used for measurement or monitoring of total water drainage. The measurement result is not affected by the water quality.

UTG21 SERIES CONTROLLER

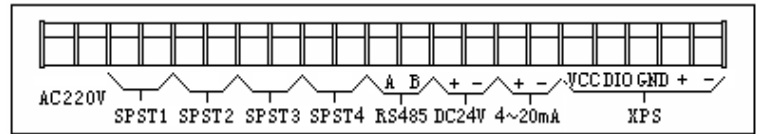
Measurement Method	Ultrasonic non-contacting
Accuracy	±0.3% F.S
Flow accuracy	1%~5%
Resolution	1mm
Power supply	DC12~36V AC85~265V
Display	LCD
The flow rate range	0.1l/s~9999m ³ /s
The max totalizer	99999999m ³
Output	Analog: 4-20mA Digital: RS485, MODBUS-RTU
Temperature	-20°C~60°C
Pressure range	±0.1MP (press definitely)
Material	ABS (UTG21-DS) Die Casting Aluminium Alloy (UTG21-D)
Protect grade	IP65 (UTG21-DS) IP67 (UTG21-D)
Explosion-Proof	EX ia (d) ia II BT4 (UTG21-D)

UTG21-D3 SENSOR

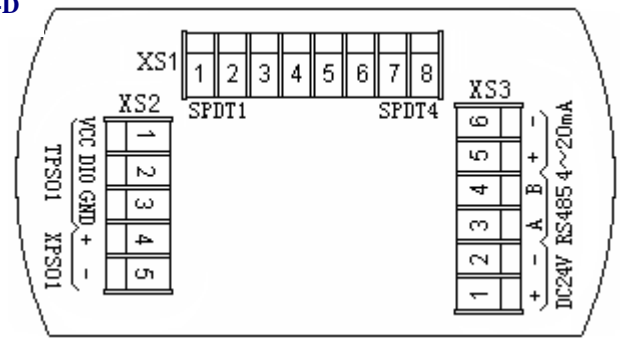
Range	0.00-3.00m
Beam angle	4°~6°
Blind zone	0.2~0.35m
Temperature	-20°C~60°C
Pressure range	0.4MPa
Process connection	Nut or flange
Cable length	5m standard (can be extended to 1000m)
Material	ABS, PTFE (optional)
Protect grade	IP68

UTG21 SERIES TERMINAL BLOCK

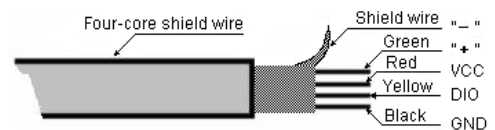
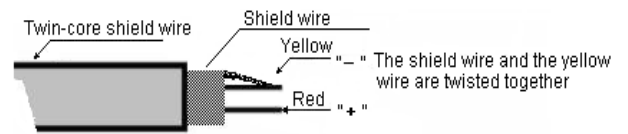
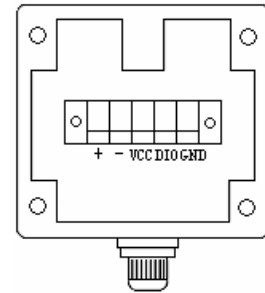
UTG21-DS



UTG21-D



SENSOR



Open Channel Ultrasonic Flow meter



ULFM series provides accurate non-contact ultrasonic open channel flow measurement

FEATURES:

Simple menu driven programming

6 relays at most for alarms;

4-20mA and RS485 outputs

Submersible sensor with temperature compensation

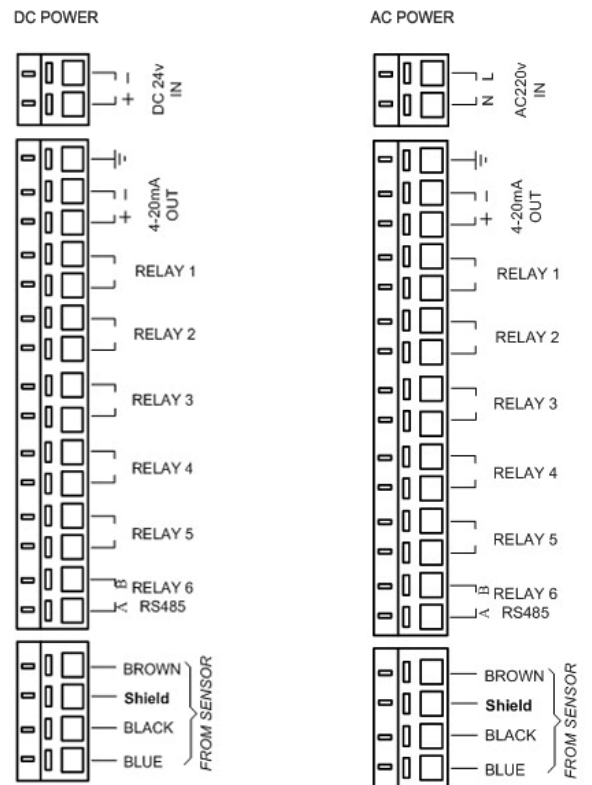
Large, backlit, LCD graphics display

Flow rate in L/S or M³/h;

ULFM CONTROLLER

Measurement Method	Ultrasonic non-contacting
Accuracy	1mm or 0.2% F.S
Resolution	1mm
Power supply	DC24V (±5%) 0.2A; AC220V (±20%) 0.1A
Display	2×4 backlit LCD
The flow rate range	0.0000-99999L/S or m ³ /h
The max totalizer	9999999.9 m ³ /h
Output	Analog: 4-20mA into 500 Ohms. Relays: Max 6 SPDT relays (optional) , rated 5A /250VAC/30VDC, high, low and failsafe alarm , control flow rate or level.
Serial communication	RS485, MODBUS-RTU standard protocol
Temperature	-40°C~70°C
Pressure range	±0.1MP (press definitely)
Measure cycle	1 second
Parameter setting	3 induction buttons / remote control
Material	ABS
Protect grade	IP67
Dimensions	248H*184W*122D(mm)

ULFM TERMINAL BLOCK



ULFM LB-4 SENSOR

Range	0.00-4.00m
Beam angle	10 (3db)
Blind zone	0.20m
Temperature	-40°C~70°C
Pressure range	0.2MPa
Process connection	G2 or flange
Cable length	10m standard (can be extended to 1000m)
Material	ABS, PVC , PTFE (optional)
Protect grade	IP68

DIMENSIONS

