OPEN CHANNEL ULTRASONIC FLOW METER

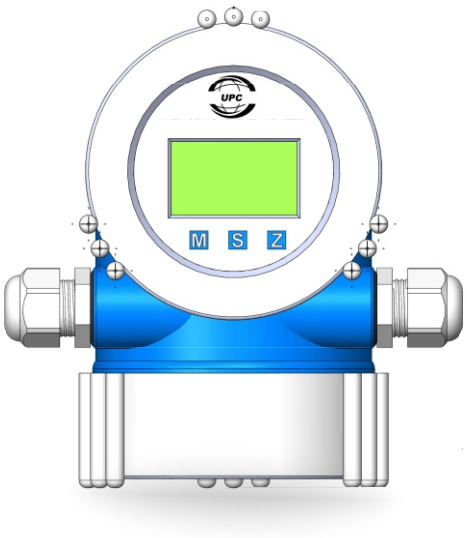
Model No.
UPC-UFM-OC-211

HSN CODE: 90261010

UPC Instruments Pvt. Ltd.

An ISO 9001:2015, 14001-2015 CE & TÜV SÜD Certified Company

OPEN CHANNEL ULTRASONIC FLOW I



OPEN CHANNEL ULTRASONIC

- Exclusive Sensor for Open Channel Flow
- High accuracy, high stability
- Downloading logging data by USB
- Data logging for long period
- Simple structure

MAKE: “UPC”

“UPC-UFM-OC-211" Open Channel Ultrasonic Flow measurement device best suited for storage tanks and open channels flow. It has a local display with buttons for quick and easy commissioning. Temperature compensation is integrated and can be equipped with an external sensor for dynamic temperature compensation. The automatic false echo detection together with easy set up makes it relible and trustworthy.

The measured level value is converted into the rate of flow in specific weirs therefore the accurate level value is very important. The measured flow information is saved in memory which can be downloaded by USB or transmitted by the digital communication such as RS232, RS485 or Modbus. The Built-in EEPROM digital memory makes sure that the data will not lose in case of power failure.

Technical Specifications

Sr.no.	Parameters	
1	Measurement method	:Ultrasonic Non-contacting
2	depth Range	: 0-6 mtr
3	Measurement Range	: 0.1 l/s~ 9999m³/s
4	Cumulative Flow	: 99999999 m³
5	Display	: LCD displays the instantaneous flow and comulative flow
6	Ambient Temp.	: -30°~+70°C
7	Power Supply	: 100-230VAC
8	Blind area	: 0.25~0.5m
9	Distance precision	: 0.3% (standard condition)
10	Distance resolution	: 1mm
11	Flow precision	: 1%~5% (Subject to the type of weir plate)
12	Pressure	: less than 4 atmosphere pressure
13	Analog output	: 4-20 mA
14	Digital Output	: Rs485, Modbus agreement or customized agreement
15	Power Voltage	: DC24V/AC220V, built-in lightning proof device Ambient
16	Protection grade	: IP65
17	Installation way	: Installed in one or split

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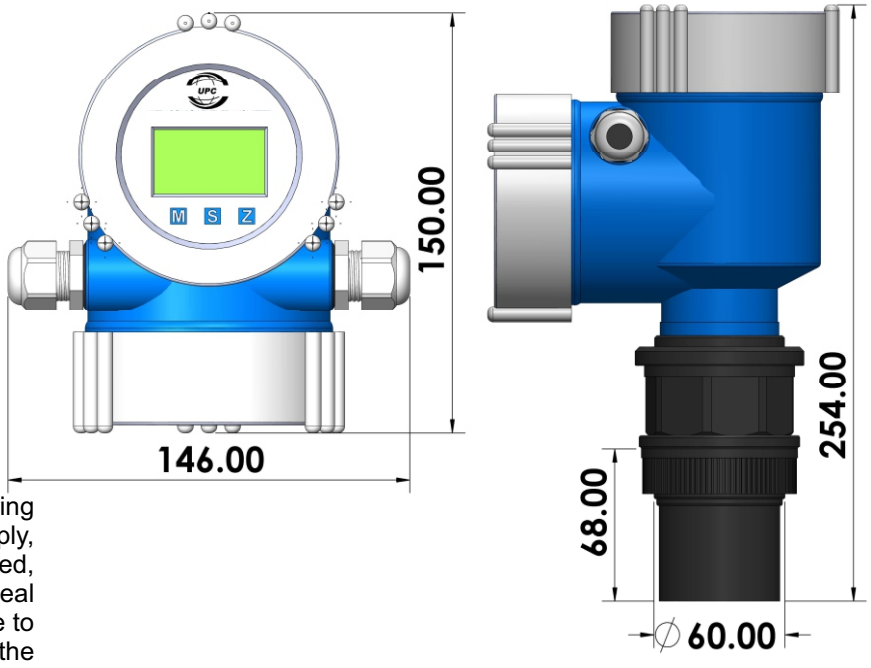
SALIENT FEATURES:

- With the die casting aluminum alloy waterproof and explosion-proof shell, be explosion-proof and safe.
- For the circuit design, high-quality power modules are selected from the power supply and highly stable and reliably imported devices are used as its components. It can fully replace imported foreign meters of the same type.
- Patent sonic-wave intelligent technology software can make intelligent zed echo analysis. It needs neither debugging nor other special steps. This technology has functions of dynamic thinking and dynamic analysis.
- Our sonic-wave intelligent patent technology improves the precision (up to 0.3%) greatly. It can resist various interference waves.
- This product is a kind of non-contact instrument. As it doesn't contact the liquid directly, The failure rate is low. This product is designed with different installation methods. the user can make calibration independently as described in this manual.
- All incoming and outgoing lines have lightning proof and short-circuit proof functions.

INSTALLATION METHOD:

in open environment, generally adopt support installation way. Drill 4 holes with L-shape support and fix the meter with screws. For unity machine, the flange installation may also be adopted. Refer to the following graph for flange size. when installing, make sure that the probe's surface keep parallel to the measured liquid surface.



WARRANTY

All meter are warranted against any manufacturing defect for a period of 12 months from date of supply, provided the meter has not been misused, damaged, installed for services it is not recomended or the seal has been tempered with. The company shall be liable to furnish part/ parts thereof or full water meter as the company may deem fit.

UPC INSTRUMENTS PVT.LTD.

AN ISO 9001:2015, 14001-2015 CE & TÜV SÜD CERTIFIED COMPANY

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