



INSERTION TYPE ELECTROMAGNETIC FLOW METER



**Model No.
UPCI-MAG-113**

HSN CODE: 90261010

UPC Instruments Pvt. Ltd.

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

INSERTION TYPE ELECTROMAGNETIC FLOW METER UPCI-MAG-113

MAKE: "UPC"

- Compatible with virtually all corrosive/ non-corrosive liquids.
- No additional pressure drop across the meter.
- Extremely simple & easy to install & maintain.
- Excellent long term zero stability using pulsed dc magnetization and auto zero technique.
- Measurement results are independent of density, viscosity, pressure, temperature, Solid-impurities and conductivity variations (above 20 $\mu\text{S}/\text{cm}$)

Insertion Type Electromagnetic Flow Meter(Model: "UPCI MAG-113") is an Ideal solution for water flow measurements in large diameter pipes. Most economical as compared to its counterpart in full bore measurement or ultrasonic measurement. Insertion Type Electromagnetic Flow Meter is an Ideal solution for water flow measurements in large diameter pipes.

"UPC" make Insertion Type Electromagnetic flow meter is an ideal solution for water flow measurement in large diameter pipes. Fairly good accuracy of measurement (typically $\pm 1\%$ of flow rate) can be achieved with little care in installation of probe and transmitter. The electrical conductivity of liquid under measurement can be as low as 20 $\mu\text{S}/\text{cm}$. Being insertion type, there is virtually no pressure loss. Most economical as compared to its counterpart in full bore measurement or ultrasonic measurement.

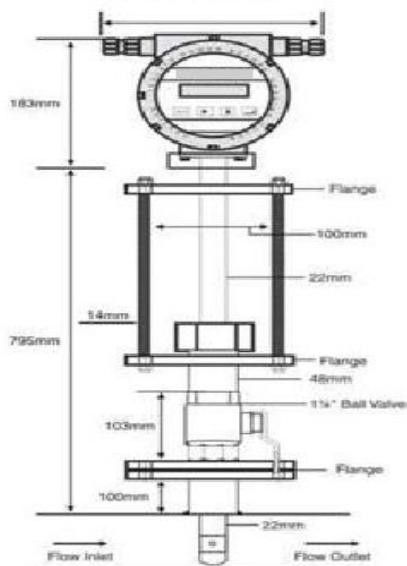
Insertion flow sensor is the source of its reliability. It has no rotor to stop turning in dirty water and there are no bearings to wear out. Reverse flow output and immiscibility are optional.

Technical Specifications

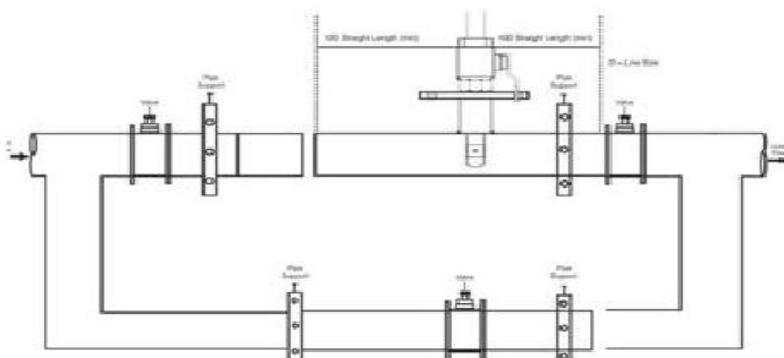
Sr.no.	Parameters
1	Available Line Sizes : 150mm to 2000mm
2	Media Pressure : 15 kg/cm ² max
3	Media Temperature : 0-80°C
4	Ambient Temperature Range : 0-50°C
5	Transmitter Type : Integral Mounted (Standard) Remote Mounted (on request)
6	Min. Media Conductivity : 20 $\mu\text{S}/\text{cm}$)
7	Coil Excitation Frequency : 3Hz
8	Flow Measurement : with Unit Conversion Facility (M3/h/LPH/LPM etc.)
9	Accuracy : $\pm 2\%$ of F.S.
10	Flow Velocity Range : 0.1m/s to 10m/s
11	Humidity : 90% R.H. max non condensing
12	Damping : Adjustable from 5 to 30sec
13	Display : 16x2 LCD 4 digit for flow rate & 8 digit for totalized Flow
14	Power Supply : 90-250V AC 50Hz
15	Output Pulse/Communication Port : 4-20 mA/ Rs485
16	Material of construction : SS
17	Electrode : SS316L
18	Enclosure Transmitter : Die Cast Aluminium Ip68
19	Process Connection : ASA150# 2" Flanged
20	Operating Pressure : up to 10kg/cm ²
21	Empty Pipe : Defaults to Zero flow
22	Material Insertion Probe : SS304
23	Power Supply to Field Coils : Pulsed DC
24	Terminal Box : IP67
25	Material of housing : Al. Die Cast

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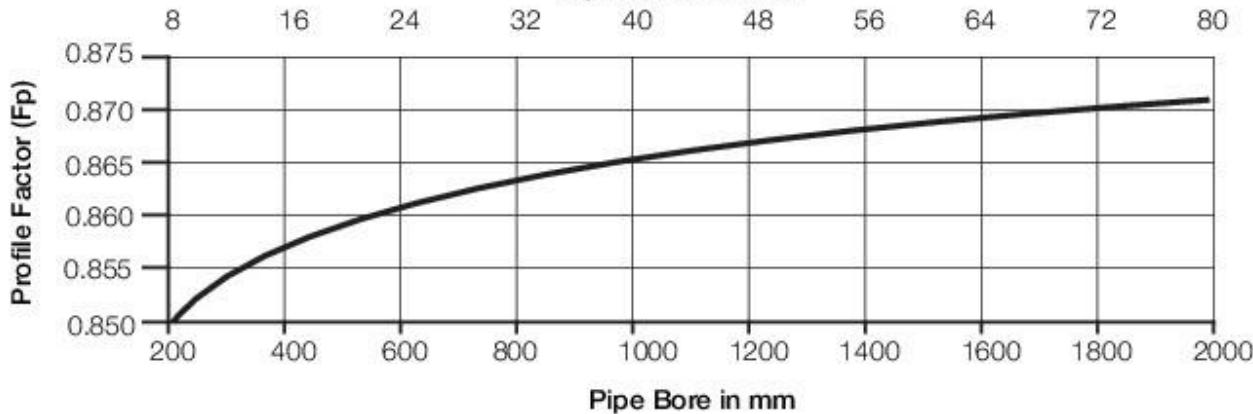
ASSEMBLY VIEW



MOUNTING DETAILS



Pipe Bore in Inches



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 recommended or the seal has been tampered 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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