

HWE INSERTION TYPE ELECTROMAGNETIC FLOW METER



Features:

1. Linear & Accurate
2. Cost Effective
3. Totalizer
4. Easy maintenance

INTRODUCTION

The system comprises of a paddle wheel sensor, Digital Flow meter and sensor installation fittings. The flow meter can be easily installed without cutting the Pipeline or even without disturbing the flow, just by drilling a 40 mm hole on the pipeline.

PRINCIPLE OF OPERATION

This is a Volumetric Flow meter. The velocity of the flow is calculated and multiplied by the cross sectional area of the pipe to get Flow rate.



WORKING PROCEDURE

As the fluid flow causes the rotor to rotate, four blades spin past a sensor in the housing body and a signal is produced proportional to the flow rate. The design of the rotor ensures a linear repeatable output upto a flow velocity of 7m/sec with an accuracy of ± 0.06 m/s. The Signal is fed to the fully digital, Flow meter for a digital display of Totalized flow.

In the event of power failure, the non volatile memory will retain its configuration and totalizer data.

SPECIFICATIONS

1. Accuracy : 2 % of Full Scale
2. Operating range : 0.3 - 6.0 m/s
3. Max Pressure : 10 bar
4. Maximum Solids : < 100 micron (dia or length)
5. Std. Cable length : 3 m
6. Sensor excitation : 12 VDC
7. Display : 16 Characters LCD
8. Range : 255 million 999999 Litres
9. Voltage : 220 ~ 240 VAC, 50 Hz

Manufactured by:

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