manas

a name that spells trust
An ISO 9001: 2015 Company



ECONOMICAL RANGE OF ELECTROMAGNETIC FLOW METER

SMART JAL EC



Features:

- No moving parts.
- Economically Priced.
- Do not require much upstream and downstream straight Lengths.
- Very fast Operation / small response time.
- Long life hence cost effective.
- Engineered in PP.
- Flowmeter does not obstruct flow, so it can be applied to clean, sanitary, dirty, corrosive liquids.
- Fully Vibration proof.

Description:

Manas have now introduced a new type **SMART JAL Ec** Flowmeter. **SMART JAL Ec** meter's are commonly used in Treated Effluent, Sewage water, Waste water etc. This type of flow meters also work on the **FARADAY'S LAW OF ELECTROMAGNETIC INDUCTION**. The equation is,

E = B.V.D

Where,

E = Induced voltage [proportional to velocity]

B = Magnetic flux density

v = Mean velocity of the media

d = Diameter of flow-sensor (distance between the sensing electrodes.)

Technical Specifications:

Meter Size : DN32 to DN50
 End Connections : Threaded, BSP (M).

3. Protection Class : IP66

4. Cable Entries : 2 no. for Integral transmitter.

1 no. for Remote transmitter.

5. Media Conductivity : $\sigma \ge 20 \mu S / cm$

6. Display

8. Accuracy

For Integral : 16X2 rows LCD Display For

Instantaneous Flow Rate, Totaliser, Engineering Units, Fault messages.

For Remote : 6 Digit, 0.3", 7 segment LED for

for Totalisation.

4 Digit, 0.5", 7 segment LED for

for Flow Rate Indication.

7. Output : Pulse o/p α flow rate

A] Pulse output open collector NPN

OR

B] 4 - 20mA dc, in max. 600Ω load, Isolated, Proportional to flow rate.

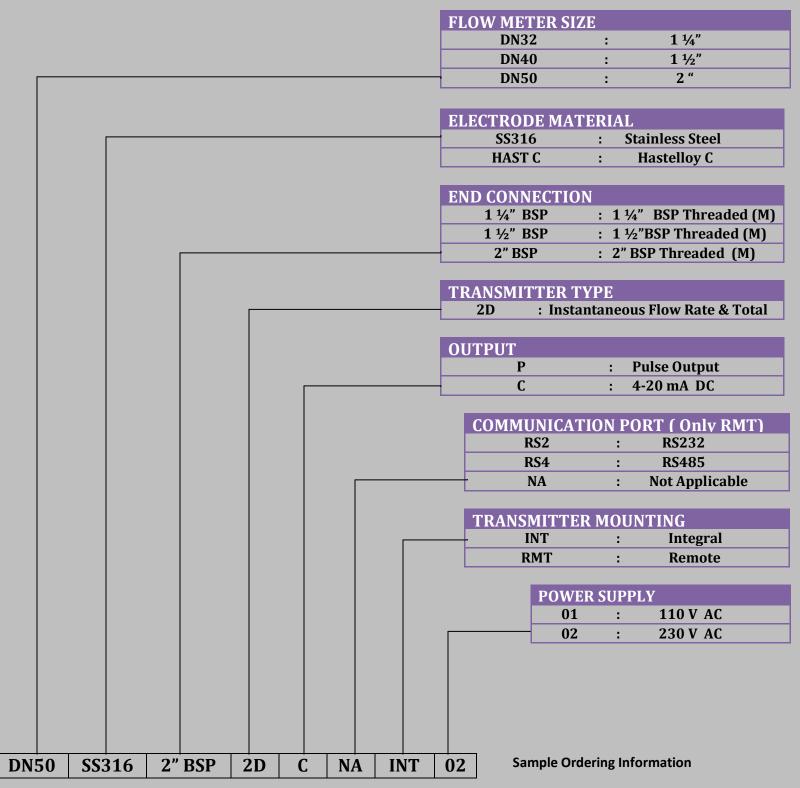
: ±1% of Actual Flow Rate between

100 % to 10 % Flow Rate

9. Media Pressure : 10 Bar10. Empty tube detection : Provided

11. Power Supply : 230V ac / 110V ac, \pm 10 %, 50 Hz,

ORDERING INFORMATION:



^{*} Specifications are subject to change without prior notice.

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