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BATTERY OPERATED ELECTROMAGNETIC FLOW METER

Description

Manas have now introduced a new type of Battery Operated Electromagnetic Flow meter series. This sensor works on Faraday's law of electromagnetic induction. The new type of flow transmitter is SS1021. It is available with integral or remote version of transmitter. Battery Operated Electromagnetic Flow meter is specifically designed where Electric supply is not available and accurate flow measurement is essential.

Features

- Battery Operated (Battery Life 5 Years)
- Sizes Available from DN10 to DN500
- Highly Accurate and extremely Linear
- Microvolt signal Proportional flow rate from primary flow sensor
- Various types of Liner and Earth electrodes, both options are available
- Empty tube detection is also provided

Technical Specifications

Meter Size : DN 10 – DN 500

Pressure : Upto DN80 - PN40
From DN100 to DN200 - PN 16
From DN250 to DN500 - PN10

Media : For HR and NE - 0 - 90°C
Temperature PTFE - 0 - 150°C
PFA - 0 - 200°C

Ambient : 0 - 50° c

Temperature Material : Pipe : SS304 (non magnetic)
Liner : Hard Rubber / PTEF / PFA
Electrodes : SS316 / SS316L / Hastelloy C or other (as per requirement)
Coil Housing : MS / CS PU Painted / SS304 / SS316
Flanges : MS/CS / SS316 / SS304 SS316 L
Flange Standard : ANSI / DIN / BS Flanges (As per requirement)



Type of Transmitter Model - SS1021

Min. Media conductivity : 5 micro-Siemens per cm ($\geq 5 \mu\text{S/cm}$)

Output : Pulsed DC output/4-20 mA (Optional)
/ RS485 Communication (Optional)

GSM Facility : Optionally Available with GSM modem

Local Display : 16 characters x 2 lines LCD Display without backlight for instantaneous Flow rate, Totalizer, Engg. units, Fault Message, etc.

Accuracy : $\pm 1\%$ of Actual Flow Rate between 100% to 10% of calibrated range

Flow Velocity : 0.1m/s to 10m/s

Power Supply : Four lithium 3.6V replaceable (Battery Operated) Additional 2 lithium 3.6V replaceable batteries for Communication Module. (5 years battery life)*

Ingress Protection : IP68 for Primary Flow Sensor, IP67 for Flow Transmitter

