



Specifications: Insertion Flowmeter

FLOW SENSOR

Meter Size:

8" – 120"NB (200-3000mm)

Media Pressure:

40Kg/cm² max

Media temperature

PTFE Liner:

0-150 ° C , Separate Version

0-120 ° C , Integral Version

Nylon Liner:

0-90 ° C , Separate Version

Media conductivity:

20 μ S/ cm (minimum)

Material of construction**Liner:**

PTFE / Nylon

Electrode:

SS 316 / Hastelloy C

Wetted Parts:

SS304 / SS 316

Weld 'T':

2" Carbon steel

Connecting Flange:

2" Carbon steel

Transmitter:

Cast aluminum(LM25) Epoxy painted

Microprocessor Based Converter

a.With Communication

b.Without Communication

Specify protocol:

RS232/RS485/Modem any other

FLOW TRANSMITTER / CONVERTER

Power Supply:

240 V /110 V AC, 50/60Hz , ± 15 %

Power consumption:

20 VA

Single output:

4-20 mADC, (isolated)

Maximum load resistance:

1000 ohm (output compliance 20 V)

Local display:

3 1/2 digit LCD (optical)

In user specified engg.Units.

With two resolutions

Ingress protection:

IP 65, IP 67 / IP 68 on request

Flow velocity range:

3 m/s | (full scale)

Accuracy: ± 1.5% of actual flow

at reference conditions

Flow between 20%-100%:

± 2% of actual flow at normal conditions

Flow between 0% - 20%:

± 2% of span ± 0.02m/s.

Repeatability:

± 1% of span

Effect of ambient temperature:

< ± 0.5% per 10°C

Effect of power supply:

< ± 0.25% per 10% voltage change

Effect of load resistance:

< 0.25% of span per 100 ohm

(No effect of power supply frequency variation)