



Specifications: Sanitary Flowmeter Model: Mikasan90

FLOWTUBE

Meter Size:

1/2"NB-4"NB (15mm- 100mm)

Media Pressure:

1/2" (25mm) – 4" (100mm): 2kg/cm²
Please specify if required otherwise.

Media temperature:

PTFE Liner:

0-150 ° C, Separate Version

0-120 ° C, Integral Version

Other liner: Consult Factory

Media conductivity:

10 µ S/ cm (minimum)

Materials

Liner: PTFE

Electrode:

SS 316 / other please specify

Pipe:

SS 304/ SS316 non-magnetic

Flange:

SS 304/ SS 316

Coil housing:

CS (Epoxy painted) / SS

Transmitter:

Cast aluminum(LM25) Epoxy painted

Process Connection:

Flange/SMS/Tri-clamp/any other

Ambient temperature range:

0 –50°C

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, 50/60 Hz, ± 15 %

Power consumption:

20 VA approx.

Signal output:

0/4-20 mADC (isolated)

Time constant:

4.5S Fixed/1-20S adjustable,
optional

Pulse output:

a.Output to drive external
electromagnetic counter of 12 V/24
V DC directly, 10-18000 pulse/hour
b.Open collector output (max 40 V)
0-500 Hz/1 KHz/10 (open collector)
5 V or 15 V

Maximum load resistance:

1000 ohm (output compliance 20 V)

Local display:

3½ digit LCD (optional) in specified
engineering Units & two resolutions

Ingress protection:

IP 65 standard, IP 67 / IP 68 on
request

Flow velocity range:

0.5 m/s to 10 m/s (full scale)

Accuracy: at reference condition

± 0.5% of flow rate

Flow between 20%-100%:

± 1% of actual flow

Flow between 0- 20%:

± 0.2% of full scale
(at normal condition)

Repeatability:

± 0.15% of span

Effect of ambient temperature:

< ± 0.2% per 10 °C

Effect of power supply:

< ± 0.1% per 10% voltage change

Effect of load resistance:

< ± 0.1% of span per 100 ohm

(No effect of power supply frequency
variation)