



## Specifications: Process Flowmeter

MODEL: MMF709

### FLOWTUBE

#### Meter Size:

3/8"NB-24"NB (10mm- 600mm)

#### Media Pressure

3/8" (25mm) – 3" (80mm) : PN40  
4" (100mm) – 8" (200mm) : PN16  
10" (250mm) – 24" (600mm): PN10  
Please specify if required otherwise.

#### Media temperature

##### PTFE Liner:

0-150 ° C, Separate Version  
0-120 ° C, Integral Version

Neoprene Liner: 0 -90 ° C

Other liner: Consult Factory

#### Media conductivity:

10 μ S/ cm (minimum)

#### Materials

##### Liner:

PTFE /Neoprene / Polyurethane

##### Electrode:

SS 316 / other please specify

##### Pipe:

SS 304/ SS316 non-magnetic

##### Flange:

Carbon steel /SS 304/ SS 316

##### Coil housing:

CS(Epoxy painted) / SS

##### Transmitter:

Cast aluminum(LM25) Epoxy painted

#### Process Connection: Flanged

IS / DIN / ANSI / specify 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)