



## Specifications: Water & Waste Water

Model: Mikawater99

### Meter Size:

1"NB-120"NB (25mm- 3000mm)

### Media Pressure:

1" (25mm)– 3" (80mm): PN40

4" (100mm)– 8" (200mm): PN16

10" (250mm)– 24" (600mm): PN10

24" (600mm) and above: Specify

Please specify if required otherwise.

### Media temperature

Neoprene Liner: 0-90 ° C

Other liner: Consult Factory

### Media conductivity:

10 µ S/ cm (minimum)

### Materials

#### Liner:

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:

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)