## MI - I/4" PULSE METERS

The MI is one of the small capacity meters in the M Series range and is differentiated by its flow rate capabilities. It has the ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.



#### **Product Benefits**

- · Very compact size.
- · Low flow capability with high resolution output.
- Meter accuracy is verified by a factory calibration check after which an individual metrology report is issued.
- Solid state Hall Effect Sensor or Reed Switch options.
- · Low pressure drop allows for economical pump selection or gravity flow applications.
- · Meter design minimises the number of wearable and replaceable parts and extends product life.
- · Will handle particle sizes to 0.127mm/0.005".
- Has IP54/NEMA13 protection.

1m/39" pulser fly lead

1m/39" pulser fly lead

20mm (F) electric conduit connection

1/2" NPT (F) electric conduit connection

 Flexibility of installation options (e.g. can be mounted horizontally or vertically; no flow conditioning required).

			H.P. MODEL
MODEL	MIRSP-XY	MISSP-XY	MISSPH-X
METER TYPE	PULSE	PULSE	PULSE
METER BODY MATERIAL	PPS	316 STAINLESS STEEL	316 STAINLESS STEEL
WETTED COMPONENTS: ROTOR MATERIAL SHAFTS O'RING	316 STAINLESS STEEL 316 STAINLESS STEEL VITON	316 STAINLESS STEEL 316 STAINLESS STEEL VITON	316 STAINLESS STEEL 316 STAINLESS STEEL VITON
FLOW RATE RANGES (litres per hour/US gallons per hour) ABOVE 5 CPS BELOW 5 CPS	1 to 100 / 0.26 to 26.4 2 to 100 / 0.53 to 26.4	1 to 100 / 0.26 to 26.4 2 to 100 / 0.53 to 26.4	1 to 100 / 0.26 to 26.4 2 to 100 / 0.53 to 26.4
ACCURACY- WITHIN (OF READING)	+/- 1%	+/- 1%	+/- 1%
REPEATABILITY	0.03%	0.03%	0.03%
MAXIMUM VISCOSITY	1000 Centipoise	1000 Centipoise	1000 Centipoise
MAXIMUM OPERATING PRESSURE	500kPa/ 75 PSI/ 5 BAR	1000kPa/ 150PSI/ 10BAR	55160kPa/ 8000PSI/ 551BAR
PULSER TYPE	HALL EFFECT SENSOR OR REED SWITCH	HALL EFFECT SENSOR OR REED SWITCH	HALL EFFECT SENSOR
PULSES PER LITRE/US GALLON	1000 / 3785.4	1000 / 3785.4	1000 / 3785.4
MODEL DIMENSIONS METER BODY PORT FACE TO FACE	50x50mm / 1.97″x1.97″ 65mm / 2.58″	50x50mm / 1.97"x1.97" 65mm / 2.58"	86mm dia x 110mm h / 3.4" dia x 4.33" h 83mm / 3.26"
WEIGHT	240g / 8.5oz	600g / 21.2oz	3.3kg / 116.5oz
MAX. OPERATING TEMPERATURE	80°C / 176°F	120°C / 248°F	120°C / 248°F
RECOMMENDED MESH STRAINER SIZE	200 MESH	200 MESH	200 MESH

X-Port Size To order flowmeter you must replace 'X' with the relevant number. This number will determine the following specifications: Y=Switch Operation (ie: Specify 'H' for Hall Effect or 'R' for Reed Switch)

Calibrated in litres

Calibrated in litres

Calibrated in US gallons

Calibrated in US gallons

1 = 1/4" BSP (F) ports

- 2 = 1/4" NPT (F) ports
- 1 = 1/4" BSP (F) ports 2 = 1/4" NPT (F) ports ] HP only with pulser cap

PPS = Polyphenylene Sulfide Resins



# MI - I/4" PULSE METERS

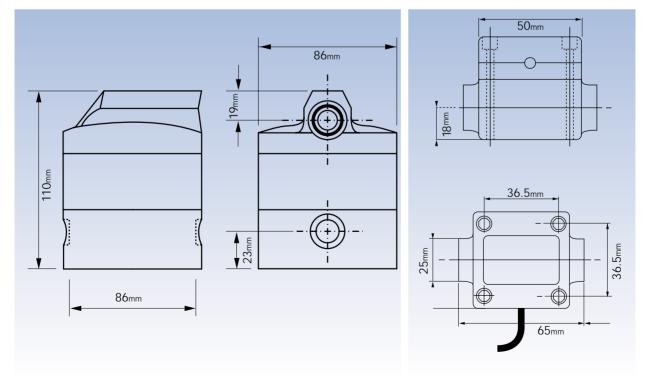
#### Weights

MODEL	MIRSP-XY	MISSP-XY	MISSPH-XY
WEIGHT	240g / 8.5oz	600g / 21.2oz	3.3kg / 116.5oz

### **Options & Accessories**

	VITON O-RING	TEFLON O-RING	EPDM O-RING	HIGH TEMP ROTORS	High Viscosity Rotors	HALL EFFECT SENSOR	Reed Switch	Solvent kit	PPS ROTORS WITH HASTALLOY C SHAFTS	PROTECTIVE BOOT	extended life battery	Remote Mounted LC DISPLAY	Heating Jacket	4-Zoma Module (Remote)
MI - I/4" METER	۲,	ΤĒ	Ð	Ξ	Ĥ	ЧН	Å	ß	PP HA	ВЧ	Ϋ́Ψ	Re	Ĥ	4
M1RSP-XY	S	0	0	х	х	0	0	х	0	х	х	А	х	А
M1SSP-XY	S	0	0	х	Х	0	0	х	х	Х	х	А	Х	А
M1SSPH-XY	S	0	0	х	х	S	х	х	х	х	х	А	х	А
S = Standard			0 = 0	Optional				X = No	t Availab	le			A = Ac	ccessory

#### Dimensions of high pressure version only Standard meter model type MISSPH-X



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