

positive displacement flow meters

WM10 – 1” pulse meters M10 – 1” pulse and LC display meters

The M10 is the medium capacity meter in the M-SERIES™ range. It has the ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

Features

- Compact size.
- Two independent pulse units which can be linked to allow doubling of the pulse output.
- Flexibility of installation options (e.g. can be mounted horizontally or vertically; no flow conditioning required).
- Low pressure drop allows for economical pump selection or gravity flow applications.
- Meter construction enables fast and easy on-site servicing without removal from application.
- Meter design minimises the number of wearable and replaceable parts and extends product life.
- Meter accuracy is verified by a factory calibration check after which an individual metrology report is issued.
- LC Display meets European CE directive for EMC.
- Deluxe/Standard Displays Pulse Version have IP65/NEMA9 protection.
- Intrinsically safe LC Deluxe & Standard Displays. Certificate of conformity numbers PTB Nr. Ex-93.C.4033x & KEMA 05ATEX1168X
- Pulse versions have Flameproof Certification AUS Ex2377x

Specification:

Model	M10/WM10
Meter Type	Pulse / Standard LC Display / Deluxe LC Display / MR100 LC Display
Meter Type	Pulse / LCD
Meter Body Material	Aluminium / 316 Stainless Steel / Bronze
Wetted Components:	
Rotor Material	PPS / 316 Stainless Steel
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/US Gallons Per Minute)	
Above 5 cPs	6 To 120 / 1.6 To 32
Below 5 cPs	10 To 100 / 2.6 To 26
Accuracy - Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (optional hi viscosity rotors)
Maximum Operating Pressure	5500kpa/ 800 Psi/ 55 Bar Flange Rule Where Fitted
Pulser Type	Hall Effect or Reed Switch or Combination HE / RS
Pulses Per Litre/Us Gallon	36 / 136.3 With Dual Pulse Output 72 / 272.6
Max. Operating Temperature	80°C / 176°F / High Temp Option 120°C / 248°F
Recommended Mesh Strainer Size	60 Mesh



M10ARP-X



Standard LC Display



Deluxe LC Display



MR100

Port Size

To order flowmeter you must replace 'X' with the relevant number. This number will determine the following specifications:

Port Size:	Calibrated and Display In:	Electrical Conduit Connection:
1 = 1" BSP (F) ports	Litres	20mm (F)
2 = 1" NPT (F) ports	US Gallons	1/2" NPT (F)
3 = 1" ANSI 150lb Flange	Litres	20mm (F)
4 = 1" ANSI 150lb Flange	US Gallons	1/2" NPT (F)
5 = 25mm DIN 16 Flange	Litres	20mm (F)
6 = 1" Triclover Flange	Litres	20mm (F)
7 = 1" Triclover Flange	US Gallons	1/2" NPT (F)
13=25mm JIS 10K Flange	Litres	20mm (F)

PPS = Polyphenylene Sulfide Resins

Bronze = Available in 1 or 2 port configuration only

Note: See relevant Flange Technical Information on page 45

Special Models

M10ARPH-X	High Pressure Version
M10SSPH-X	High Pressure Version
Threaded Versions Only	Working Pressure 13800 kPa / 2000 PSI / 138 BAR

Available Options: All as listed

WM10 – 1” pulse meters

M10 – 1” pulse and LC display meters



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Options and accessories

WM10 - 1" PULSE AND LC DISPLAY METERS M10 - 1" PULSE AND LC DISPLAY METERS	WM10ARX-X M10ARX-X	WM10ASX-X M10ASX-X	WM10SRX-X M10SRX-X	WM10SSX-X M10SSX-X	WM10BRX-X M10BRX-X
FKM O-Ring	○	○	○	○	○
FEP O-Ring	○	○	○	○	○
EPDM O-Ring	○	○	○	○	○
High Temp Rotors	○	●	○	●	○
High Viscosity Rotors	○	○	○	○	○
Hall Effect Sensor	○	○	○	○	○
Reed Switch	●	●	●	●	●
Solvent Kit	-	-	-	-	-
Hastalloy C Shafts	-	-	-	-	-
Protective Boot Deluxe LCD	+	+	+	+	+
Protective Boot Standard Display	+	+	+	+	+
Remote Mounted LC Display	+	+	+	+	+
Heating Jacket	+	+	+	+	+
4-20mA Module	+	+	+	+	+

● Standard ○ Optional - Not Available + Accessory

Dimensions

