

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

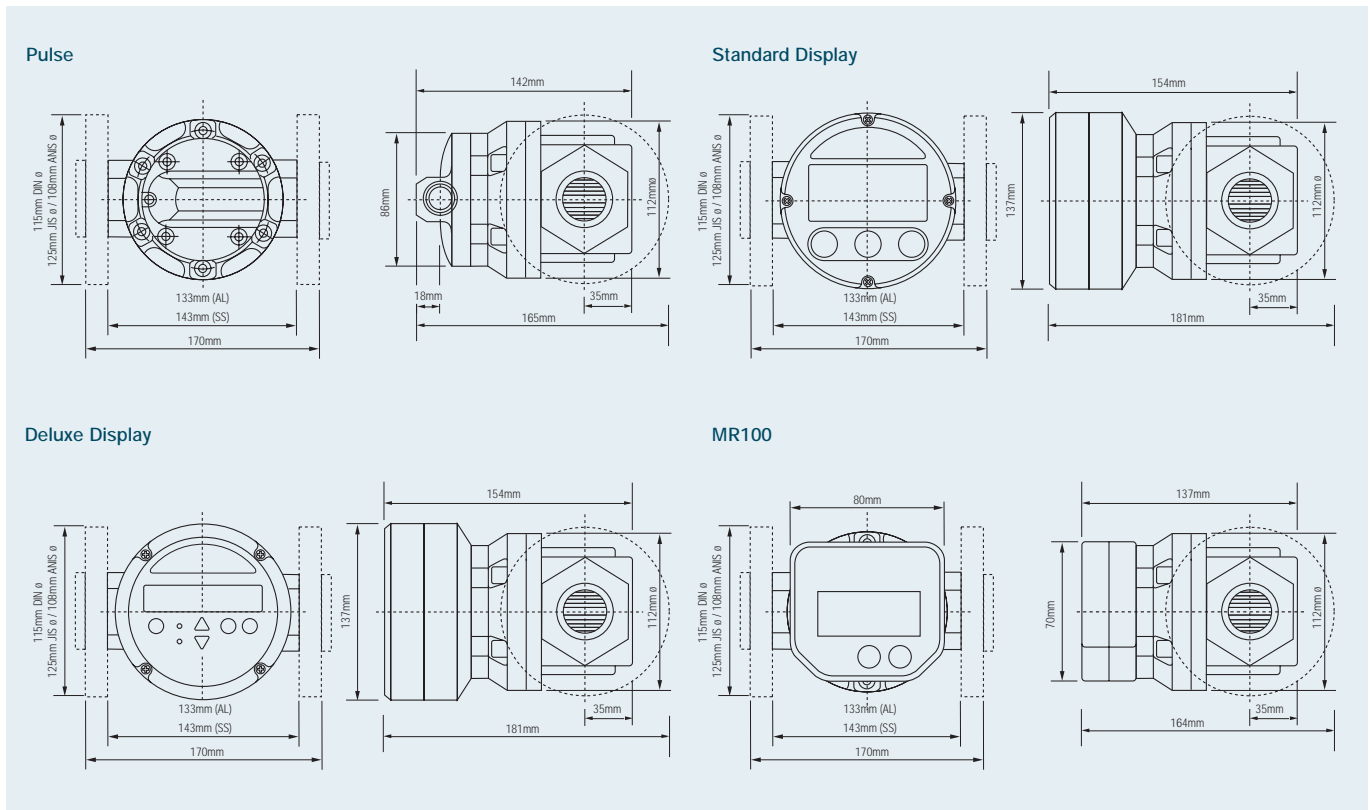
WM10 – 1" pulse meters M10 – 1" pulse and LC display meters

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



Macnaught Pty Ltd reserves the right to modify or alter product materials, dimensions, design and construction, when necessary, to improve the performance of our products. Please check with your local distributor or Macnaught to confirm current specifications of our products.