

positive displacement flow meters

WM50 – 2" pulse meters M50 – 2" pulse and LC display meters

The M50 is a large 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.
- 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.
- All LC Displays meets European CE directive for EMC.
- Standard/Deluxe Displays MR100 and Pulse Version have IP65/NEMA9 protection.
- Intrinsically safe LC Deluxe and Standard Displays. Certificate of conformity number PTB Nr. Ex-93.C.4033x & KEMA Ex-00.E.1127x
- Pulse Versions have Flameproof Certification. AUS Ex2377x



M50ARP-X



Standard LC Display

Deluxe LC Display

MR100

Specifications

Model	M50/WM50
Meter Type	Pulse / Standard LC Display / Deluxe LC Display / MR100 LC Display
Meter Body Material	Aluminium / 316 Stainless Steel / Bronze
Wetted Components:	
Rotor Material	PPS / 316 Stainless Steel / Hi Flow PPS
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/Us Gallons Per Minute)	
Above 5 cPs	15 To 350 / 4 To 93 (HF 15 to 550 / 4 to 146)
Below 5 cPs	30 To 300 / 8 To 79
Accuracy- Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (> 1000 Hi Vis Rotors)
Maximum Operating Pressure	5500 kpa/800psi/55bar or as per flange rule (*PEI 1800kpa/260psi/18bar)
Pulsers Type	Hall Effect or Reed Switch or Combination HE / RS
Pulses Per Litre/Us Gallons	6.68 / 25.29
Max. Operating Temperature	80°C / 176°F, High Temp Option 120°C / 248°F
Recommended Mesh Strainer Size	60 Mesh

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 = 2" BSP (F) Ports	Litres	20mm (F)
2 = 2" NPT (F) Ports	US Gallons	1/2" NPT (F)
3 = 2" ANSI 150lb Flange	Litres	20mm (F)
4 = 2" ANSI 150lb Flange	US Gallons	1/2" NPT (F)
6 = 2" Tri Clover Flange	Litres	20mm (F)
7 = 2" Tri Clover Flange	US Gallons	1/2" NPT (F)
5 = 50mm DIN 16 Flange	Litres	20mm (F)
13 = 50mm JIS 10k flange	Litres	20mm (F)

PPS = Polyphenylene Sulfide Resins

Note: See relevant "Flange Technical Information" on page 45.

*EU - pressure equipment directive 97/23/EC

positive displacement flow meters

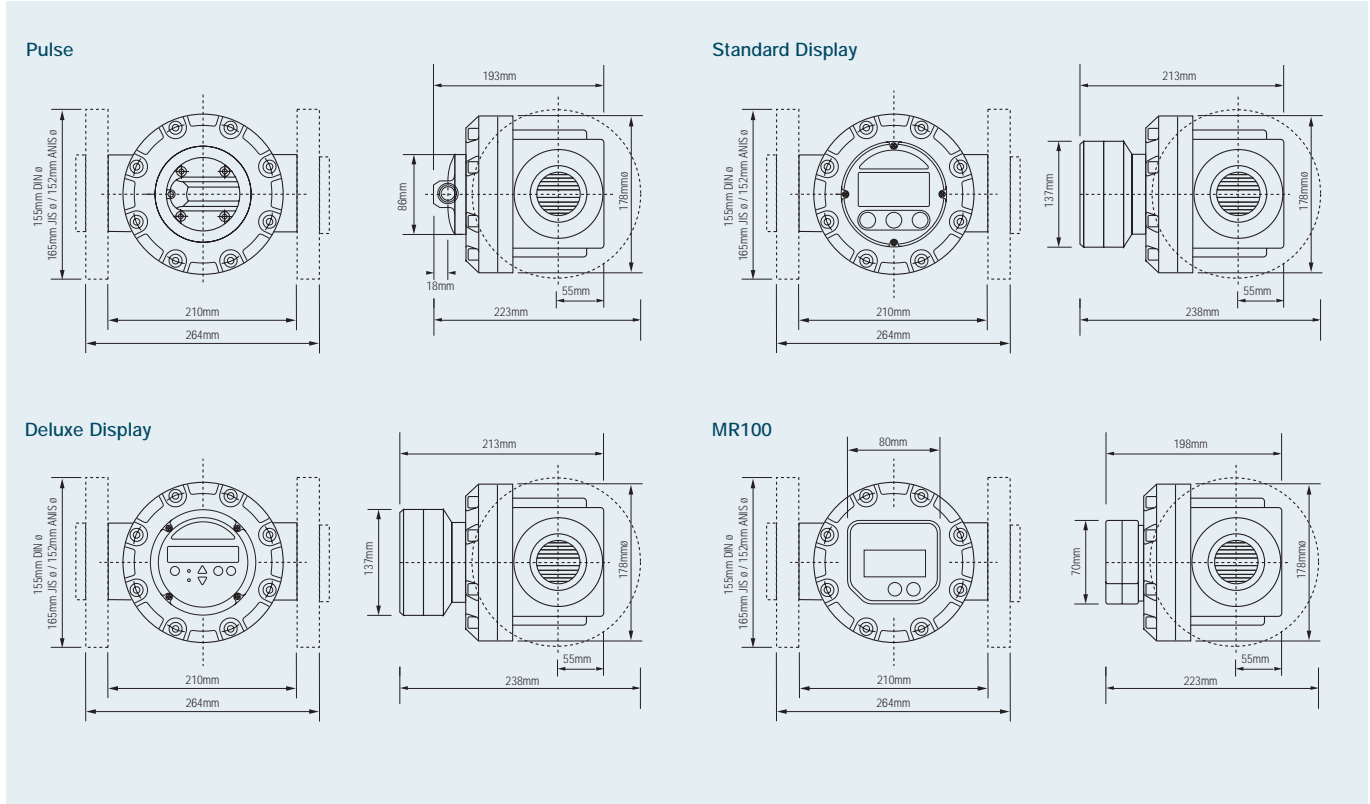
WM50 – 2" pulse meters M50 – 2" pulse and LC display meters

Options & Accessories

WM50 - 2" PULSE AND LC DISPLAY METERS M50 - 2" PULSE AND LC DISPLAY METERS	WM50ARX-X M50ARX-X	WM50SRX-X M50SRX-X	WM50SSX-X M50SSX-X	WM50ASX-X M50ASX-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 Meter or Remote Mount	+	+	+	+

● 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.