

## positive displacement flow meters

# WM80 – 3" pulse meters M80 – 3" pulse and LC display meters

The M80 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.
- Both LC Displays meets European CE directive for EMC.
- Standard/Deluxe Displays 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 O5ATEX1168X



M80AAP-X



Standard LC Display

Deluxe LC Display

MR100

### Specifications

Model	M80/WM80
Meter Type	Pulse / Standard LC Display / Deluxe LC Display
Meter Body Material	Aluminium / Stainless Steel / Bronze
Wetted Components:	
Rotor Material	Aluminium / Stainless Steel
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/US Gallons Per Minute)	
Above 5 Cps	20 To 733 / 5 To 194
Below 5 Cps	66 To 700 / 17 To 185
Accuracy- Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model Available)	1000 Centipoise ( > 1000 Hi Vis Rotors Available)
Maximum Operating Pressure	1200kpa/175psi/12bar
Pulsar Type	Hall Effect or Reed Switch or Combination HE / RS
Pulses Per Litre/Us Gallons	2.59 / 9.8
Max. Operating Temperature	AL 80°C / 176°F St St 120°C / 248°F
Recommended Mesh Strainer Size	40 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 = 3" BSP (F) Ports	Litres	20mm (F)
2 = 3" NPT (F) Ports	US Gallons	1/2" NPT (F)
3 = 3" ANSI 150lb Flange	Litres	20mm (F)
4 = 3" ANSI 150lb Flange	US Gallons	1/2" NPT (F)
5 = 80mm DIN 16 Flange	Litres	20mm (F)
13 = 80mm JIS 10K Flange	Litres	20mm (F)

PPS = Polyphenylene Sulfide Resins

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

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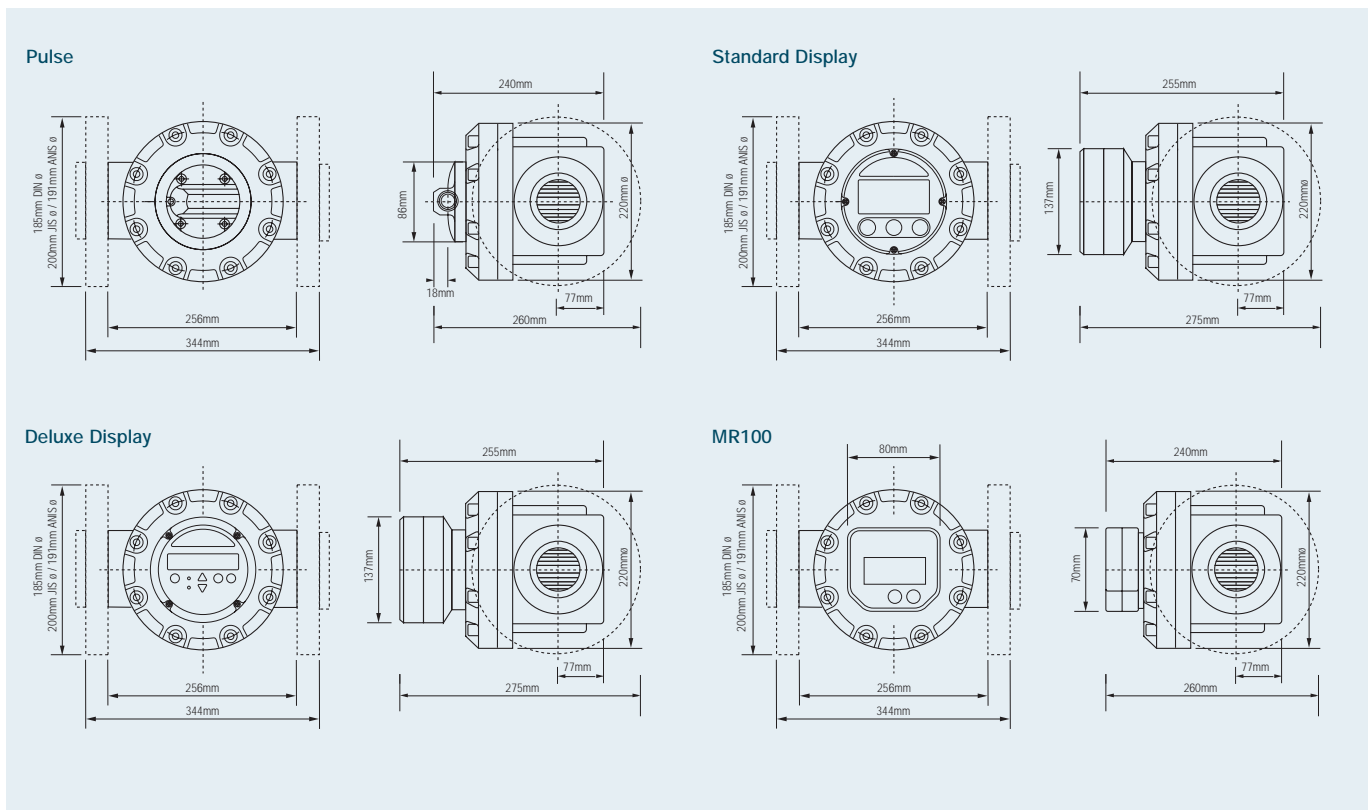
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Options & Accessories

WM80 - 3" PULSE AND LC DISPLAY METERS M80 - 3" PULSE AND LC DISPLAY METERS	WM80AAX-X M80AAX-X	WM80SSX-X M80SSX-X	WM80BAX-1 M80BAX-1
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	-	-	-
Analogue Register	-	-	-
Pulser Kit P500	-	-	-
Remote Mounted LC Display	○	○	○
Heating Jacket	-	-	-
4-20ma Module	○	○	○
Protection Boot LC Displays	+	+	+

● 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.