

## positive displacement flow meters

# M6 – 3/4” Pulse and LC display meters

The M6 is a low to medium flow range model. It is a compact meter that 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 meet European CE directive for EMC.
- Display/Pulse Version has IP65/NEMA9 protection.
- Intrinsically safe LC Deluxe & Standard Displays. Certificate of conformity number PTB Nr. Ex-93.C.4033x & KEMA 05ATEX 1168X

### Specification:

Model	M6
Meter Type	Pulse / Standard LC Display / Deluxe LC Display/ MR100 Display
Meter Body Material	Aluminium / Bronze
Wetted Components:	
Rotor Material	PPS / St St
Shafts	316 St St
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/US Gallons Per Minute)	
Above 5 cPs	3 To 80 / 0.8 To 21
Below 5 cPs	8 To 70 / 2 To 18.5
Accuracy - Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (Optional Hi Viscosity Rotors)
Maximum Operating Pressure	5,500kpa / 800psi / 55bar
Pulser Type	
	Hall Effect or
	Reed Switch or
	Combination HE / RS
Pulses Per Litre/US Gallon	52/196.8
Max. Operating Temperature	80°C / 176°F (Optional 120°C/248°F)
Recommended Mesh Strainer Size	60 Mesh



M6ARP-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 In:	Electrical Conduit Connection:
1 = 3/4" BSP (F) ports	Litres	20mm (F)
2 = 3/4" NPT (F) ports	US Gallons	1/2" NPT (F)

PPS = Polyphenylene Sulfide Resins

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## Options and accessories

M6 - 3/4" PULSE AND LC DISPLAY METERS	M6ARP-X	M6ASP-X	M6ARG-X	M6ARD-X	M6ARE-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

