

positive displacement flow meters

M7 – 1” Pulse and LC display meters

The M7 is a specialised meter for aggressive chemicals and water based products. 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 factory calibration check after which an individual metrology report is issued.
- LCD & Pulse Version have IP65/NEMA9 protection.

Specification:

Model	M7
Meter Type	Pulse / Standard LC Display / Deluxe LC Display / MR100 LC Display
Meter Body Material	PPS
Wetted Components:	
Rotor Material	PPS / St St
Shafts	316 St St Or Hastalloy C (Optional Meter Model Designation - C)
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 High Viscosity Rotors)
Maximum Operating Pressure	1000kpa / 150psi / 10bar
Pulsar 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 (120°C / 248°F S/S Rotors)
Recommended Mesh Strainer Size	60 Mesh



M7RRP-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 = 1" BSP (F) ports	Litres	20mm (F)
2 = 1" NPT (F) ports	US Gallons	1/2" NPT (F)

PPS = Polyphenylene Sulfide Resins

Special Models

M7ARPH-XR	High Pressure Version (Aluminium)
Threaded Versions Only	250 Bar / 3625 PSI Maximum Working Pressure

Available Options: Pulse LC Displays, ST ST Rotors, Hi Viscosity Rotors



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Options and accessories

M7 - 1" PULSE AND LC DISPLAY METERS	M7RRP-X	M7RRG-X	M7RRE-X	M7RRD-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	-	-	-	-
Stainless Steel Rotors (Hi Temp 120°C/248°F)	○	○	○	○
4-20mA Module Meter or Remote Mount	+	+	+	+

● Standard ○ Optional - Not Available + Accessory

Dimensions

