

M80 3" PD Flowmeter

INTRODUCING THE NEW M80 POSITIVE DISPLACEMENT FLOWMETER FROM MACNAUGHT.

Suitable for fuels, solvents and lubricants to a viscosity of 1000psi, the M80 is a three inch (3") hybrid, high flow, oval gear flowmeter and, as the largest capacity meter in the M-Series range, is capable of measuring fluid transfer up to 733LPM. Remaining consistent with Macnaught's entire range of PD flowmeters, the M80 is accurate to +/- 0.5%, providing exceptional levels of repeatability and durability. The M80 is available with analogue mechanical display, pulse only or with either of two LCD units (refer below).



PRODUCT BENEFITS:

- Compact size
- Easy to read and operate mechanical display
- Flexibility of installation options (eg: 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 accuracy is verified by a factory calibration check after which an individual metrology report is issued
- Meter design minimises the number of wearable and replaceable parts and extends product life
- Will handle particle sizes to 0.5mm/0.0510"
- Available with 3" BSP(F), 3" NPT(F), ANSI 150lb, and JIS 10 flange rules (modular construction)
- An option of 100 pulse per unit of measurable output pulse available
- LCD optional displays meet European CE directive
- Standard/deluxe displays and pulse version have IP66/NEMA6 protection
- Intrinsically safe deluxe LC display. Certificate of conformity number PTB NR. Ex-93. C4033x, KemaEx-00.E.1127x
- Pulse version flameproof certified AUS Ex2377x

STANDARD DISPLAY



- Liquid Crystal Display
- 7 x 17mm Digits
- 11 x 8mm Digits
- Total / Reset Total / Rate
- 7 Year Battery Life
- Meter or Remote Mount
- IP65 Protection

DELUXE DISPLAY



- Liquid Crystal Display
- 7 x 13mm Digits
- Total / Reset Total / Rate
- Batching Facility
- 1 Year Battery Life
- Meter or Remote Mount
- IP54 Protection
- Silicon Protection Boot Option

MECHANICAL REGISTER ANALOGUE



- Revolving Pointer 10L or 100L
- 150mm Diameter Dial
- Total 6 Digits
- Reset Total 4 Digits
- Pulser Option



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M SERIES POSITIVE DISPLACEMENT FLOWMETERS

METER SPECIFICATIONS:

MODEL:	M80
Meter body material:	AA601 Aluminium
Wetted components:	
Rotor material:	Aluminium
Shafts:	316 stainless steel
O-ring:	NBR (nitrile)
Flow rate ranges:	
Above 5cps:	20-733 LMP* / 5-194 GPM*
Below 5cps:	66-616 LMP* / 17-163 GPM*
Accuracy: within (of reading)	+/-0.5%
Repeatability:	0.03%
Pulser type	
(Pulse and LCD display only):	Dual Reed Switch
Pulse per litre/US gallon	
(Pulse and LCD display only):	2.58 / 9.766
Maximum viscosity (of standard model):	1000 centipoise
Maximum operating pressure:	1200 kPa / 175PSI / 12 BAR
Maximum operating temperature:	80°C / 176°F, 120°C / 240°F
Recommended mesh strainer size:	40 mesh



OPTIONS & ACCESSORIES

M80 - 3" METER	VITON O-RING	TEFLON 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	EXTENDED LIFE BATTERY DELUXE LCD	REMOTE MOUNTED LC DISPLAY	HEATING JACKET	4-20mA MODULE
M80AAX-X	0	0	0	X	X	0	S	X	X	A	A	A	X	A
M80AAMA-X	0	0	0	X	X	X	X	0	X	S	A	X	X	X

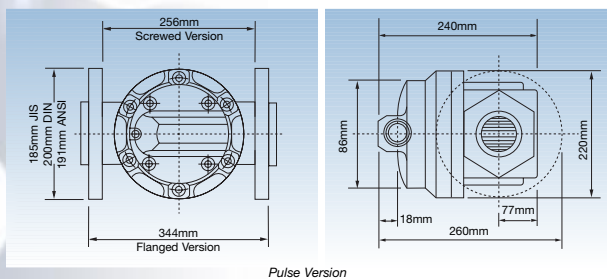
S = Standard

0 = Optional

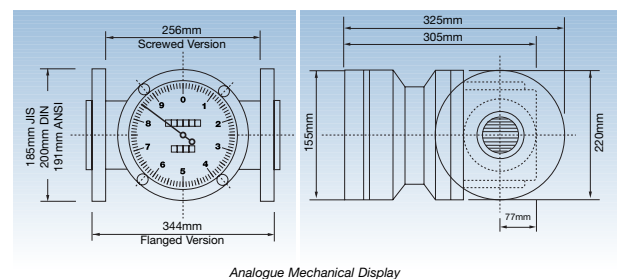
X = Not Available

A = Accessory

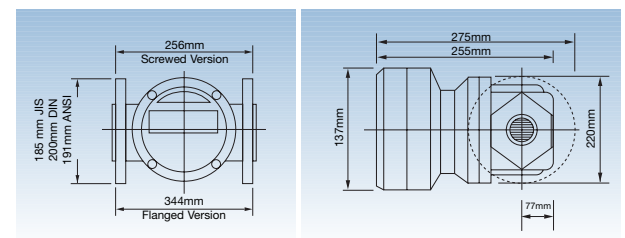
DIMENSIONS



Pulse Version



Analogue Mechanical Display



Standard/Deluxe Display



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Available From: