

LIQUID METER FMC

FOR UNIVERSAL APPLICATIONS. SUITABLE FOR ALL CORROSIVE AND NEUTRAL LIQUIDS



PRODUCT PROFILE

Precise, reliable, versatile, accurate in measuring—these are the main features of the new generation of liquid meters type FM C.

Their field of application is either portable use with barrel and container pumps or stationary installation into pipeline systems to filling stations in connection with stationary pumps or under hydrostatic pressure. By using high-grade raw materials only, the liquid meters can be used with a great number of corrosive, flammable, thin as well as low viscosity liquids.

This measuring instrument, equipped with an easy-to-read 7-digit LCD display, may not be used only as a liquid meter, but also—in connection with an amplifier—as a presettable batch controller to actuate a magnetic valve or a pump.

TECHNICAL DESCRIPTION

This new generation of liquid meters are of the well-proven nutating disc type where the flow of liquid passing through the measuring chamber causes the disc to nutate. This movement is converted to a rotary motion and a sensor unit transmits the impulses to a micro-computer integrated in the display system. The micro-computer immediately calculates the flowrate by the impulses received. The digital display shows all figures either in Liters, in Imperial gallons or in US gallons, depending on the program selected.

A built-in filter at the meter inlet prevents small solids from entering the measuring chamber. To achieve a high accuracy in measuring, the system always has to be completely filled with liquid (liquid-filled-system).

SPECIAL ADVANTAGES

- Easy-to-read 13mm LCD display
- High Flowrate
- Low Pressure Loss
- High accuracy in measuring
- Easy handling
- Versatile in use
- Compact design
- Easy cleaning
- Increased safety by the control of flowrate
- Integral presettable batch controller

TECHNICAL INFORMATION

Model:	Polypropylene	E.T.F.E.	Stainless Steel
Flowrate:	2.5–26.5 GPM		
Maximum Pressure:	57 PSI		85 PSI
Viscosity MAX:	1000 cP		
WETTED PARTS			
Housing:	PP	ETFE	SS
Measuring Chamber:	PPS (Ryton)	ETFE	PPS (Ryton)
O-Rings:	EPDM or Viton®		FEP
LCD Display:	7 Digit, Resettable, Totalizer; Resettable special procedure.		
Dimensions:	D: 5.5", H: 4.5", L: 9.1"		D: 5.5", H: 4.6", L: 7.9"
Weight:	2.4 Lbs. (1.1 kg)	3.1 Lbs. (1.4 kg)	3.7 Lbs. (1.7 kg)
Inlet & Outlet:	Inlet & Outlet Male 1 1/2"		1 1/2" in: 1 1/4" out
Threads:	Connecting pieces available in other sizes.		
Accuracy:	+/- 1%		
Temperature Max:	140°F at 28 PSI Max.		176°F
Accessories:	Amplifier & Control cable for Automatic Operation		