



LM OG-HF series

For the measurement of high flow – non approved



Description

The LM OG-HF high flow meter has been designed to handle flow rates up to 115 l/min. Modular design, low cost, lightweight and rugged make the OG the best choice for all types of applications. The low temperature LCD of the model LM OG-HF also has an operating temperature range of -10°C to +60°C providing a broader range of application environments. The electronic register module contains a microprocessor board powered by a lithium battery. It can be programmed to dispense in pints, quarts, liters, or gallons and will totalize in liters or gallons. The meter calibration factor is determined during factory test. The meter can be recalibrated in the field for fluids or different viscosity if required. A 6-digit liquid crystal display, accurate to the second decimal place, shows the exact amount of fluid dispensed. The entire register module is protected from the wear and tear of normal shop use by a rugged, glass filled, shock resistant, nylon housing. An optional rubber boot is available.

Applications

Dispense measurement of lubricants in non approved applications (repairs and workshop). Typical liquids measured are Petroleum products, automatic transmission oil.

Pulse transmitter

The transmitter mounted on the meter can be wired to batch controllers, remote counters and other electronically operated instruments that can accept pulses from a reed switch, and have scaling capabilities. The oval gear transmitter is contained in a plastic housing.

Reed switch 5x108 switch closures, depending on load.
Switch load 10 W, 120 VAC. 66,75 p/l one channel.

Please ensure that the fluid is properly filtered before entering the meter. Foreign particles will cause inaccuracy as well as malfunction of the meter.

Operation

Each rotation of the oval gears displaces a given volume of fluid. Controlled manufacturing tolerances ensure exact clearances between gears and chamber wall guarantying minimum of leakage.



Technical data

	LM OG-HF		LM OG-HFT	
	3/4"	1"	3/4"	1"
Maximum flow*	60 l/min	115 l/min	60 l/min	115 l/min
Minimum flow *	3 l/min		3 l/min	
Operating pressure (maximum)	100 bar		100 bar	
Operating pressure (minimum)	0,35 bar		0,35 bar	
Operating temperature (maximum)	+60°C		+60°C	
Operating temperature (minimum)	-10°C		-20°C	
Viscosity	bis 5000 mPas		bis 5000 mPas	
Accuracy	± 0,5%		± 0,5%	
Weight	0,82 kg		0,82 kg	
Inlet & outlet connections	3/4" BSPP	1" BSPP	3/4" BSPP	1" BSPP
Puls per liter	---		66,75	
Protection class	IP 67		IP 42	

* Tested with Mobil DTE-25 motor oil at ambient temperature. Min./Max. flow rates will vary with fluid viscosity