

GENERAL

The Model OG High Flow Meter is designed to handle flow rates up to 20 GPM. The meter is designed specifically to dispense motor oils (S.A.E. 5-50), gear oils (S.A.E. 80-240), automatic transmission fluid, antifreeze (Ethylene Glycol), and engine coolant. Modular design, low cost, lightweight and rugged design make the OG the best choice for all types of applications.

The low temperature LCD of the model OG-HF also has an operating temperature range of -4°F to 140°F 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 5-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.

OPERATION

As fluid passes through the metering chamber by entering the inlet port, it forces the internal gears to rotate and exits through the outlet port. Each rotation of the gear displaces a given volume of fluid.

The display shows the amount of fluid dispensed since the last time the reset button was pushed. Pushing the reset button will reset the display to zero for the next dispense.

Pushing and holding the total button will display the total amount of fluid dispensed through the meter over its life.

Changing Unit of Measure

The unit of measure can be changed using the Total and Reset buttons on the front of the meter. To change the unit of measure, press and release the Total button 3 times and then press and release the Reset button 3 times. Then wait 2 seconds and the unit of measure will flash. Push the Reset button to select the desired unit of measure. To save the unit of measure, push the Total button and the display will flash 3 times and then go blank, the new unit of measure setting has now been saved. Push the Reset button to bring the display back on.

**CAUTION**

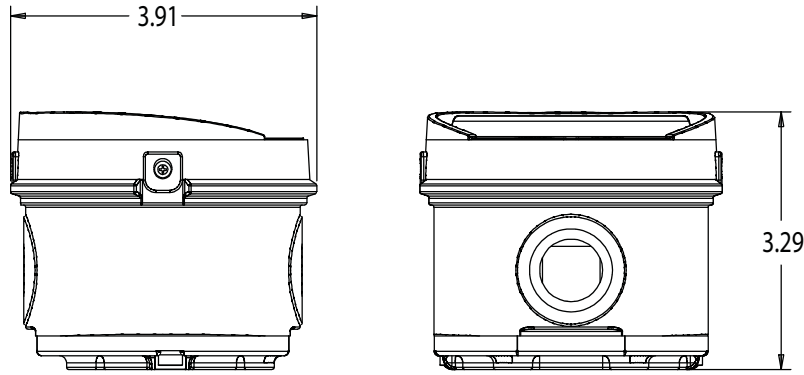
The use of meters in applications other than those described in this material may result in inaccuracy and possible meter failure. This meter is designed for petroleum-based products. It is also important that fluids be properly filtered before entering the meter. Foreign particles will cause inaccuracy as well as possible malfunction of the meter. Warranties are void in the circumstances described above.

FEATURES

- Temperature Range -4° to 140°F
- 3/4" threads (NPT or BSP Available)
- Compact Foot Print
- Oval Gear Driven Meter
- Large LCD Display with Two Decimal Point Precision
- Dispenses in Pints, Quarts, Liters, or Gallons
- Totalization in Gallons or Liters
- Accuracy to $\pm 0.5\%$
- Push Button Calibration
- Low Battery Indicator
- Field Replaceable Battery
- Scale Factor Saved in Non-Volatile Memory
- Total Dispense Saved in Non-Volatile Memory



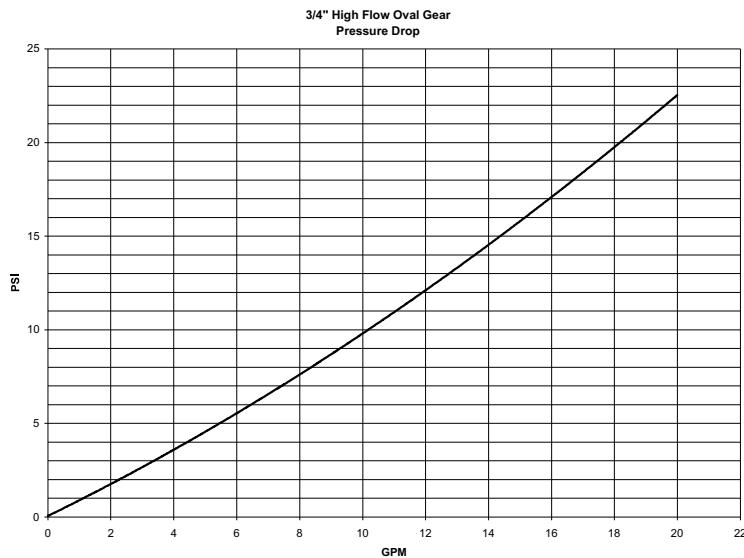
Dimensional Drawing



SPECIFICATIONS

	OG Meter	
	English	Metric
Maximum Flow *	20 gpm	80 liters/minute
Minimum Flow *	0.80 gpm	3.0 liters/minute
Operating Pressure (Maximum)	1500 psi	103 bar
Operating Pressure (Minimum)	5 psi	.35 bar
Operating Temperature (Maximum)	140° F	60° C
Operating Temperature (Minimum)	-4° F	-20° C
Accuracy	+/- 0.5%	+/-0.5%
Weight, Less Handle	1.8 lbs.	0.82 kg
5- Digit LCD Display, 5/16" High (8 mm)	Pints-Quarts-Gallons	Liters
Inlet & Outlet Connections	3/4" NPTF	3/4" BSPP

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



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



Please see our website at
www.badgermeter.com
 for specific regions and contacts.

Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



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