

Model PG- Electronic

Pistol Grip Electronic Meter

Technical Brief

GENERAL

The Badger® electronic lube meter is designed specifically to dispense motor oils (S.A.E. 5-50), gear oils (S.A.E. 80-240), automatic transmission fluid, and antifreeze (Ethylene Glycol) solution. Perfect balance, lightweight ruggedness, and comfortable grip make it the best choice for overhead reel systems.

The electronic register module contains a microprocessor board powered by a lithium battery with an expected life of 3 to 5 years, depending on use. It is programmed to dispense only in pints, quarts, liters, or gallons and will totalize in liters or gallons. A calibration factor and unit of measure are programmed during factory test. Unlike mechanical meters, these units can be electronically recalibrated in the field when necessary. 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.

OPERATION

As fluid passes through the metering chamber by entering the inlet port, it displaces the piston and exits through the outlet port. Each oscillation of the piston displaces a given volume of fluid. Controlled clearances between the piston and chamber wall insure minimum leakage. As the piston oscillates, its center hub rotates a magnet which activates the microprocessor.

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.

To Change Unit of Measure

- Press the TOTAL button three times followed by the RESET button three times in a time frame of under 2 seconds. The active unit of measure symbol will flash when you have entered programming mode.
- Press the RESET button until desired unit of measure appears flashing on the display.
- When finished press and hold the RESET and TOTAL buttons simultaneously for 3 seconds to exit programming mode.
- The display will flash three times and then go blank to indicate the changes have been saved. Push the Reset button to turn the display back on.



FEATURES

- Large Six Digit LCD Display with two decimal point precision
- Dispense Total Display in Pints, Quarts, Gallons or Liters
- Unit of measure selectable from the front of register
- Totalization in Gallons and Liters
- Resettable & Non Resettable Totalizer
- Totalization Data saved in Non-Volatile Memory
- Display Operation Temperature Range -4F to 140F
- Low Battery Indicator
- Long life Field replaceable Top load battery
- Accuracy of (+-) 0.5%
- Calibration factor programmable from front of register
- Calibration Factor saved in non-volatile memory
- 1000 PSI Pressure Rating
- NPT and BSP Threads available

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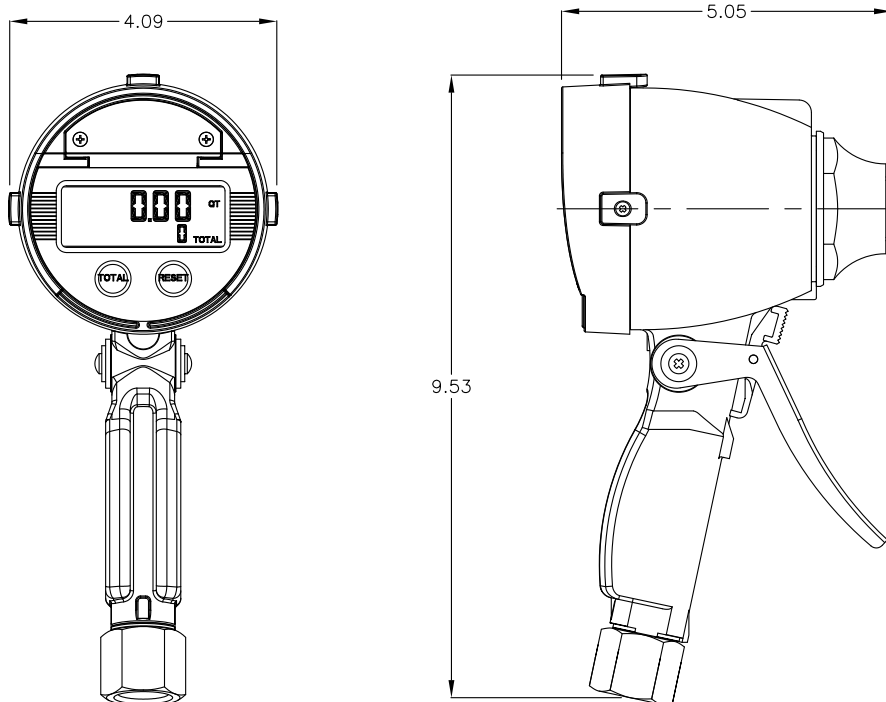


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Dimensional Drawing



SPECIFICATIONS

	English	Metric
Maximum Flow*	5 gpm	19 liters/minute
Minimum Flow*	0.25 gpm	0.95 liters/minute
Operating Pressure (Maximum)	1000 psi	70 bar
Operating Pressure (Minimum)	5 psi	.35 bar
Operating Temperature (Maximum)	110° F	45° C
Operating Temperature (Minimum)	-10° F	-20° C
Accuracy	± 0.5%	± 0.5%
Weight	3 lbs.	1.36 Kg.
Inlet and Outlet Connections	1/2" NPTF	1/2" BSPP

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



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

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