

DESCRIPTION

The Model OGE electronic lube meters are designed specifically to dispense motor oils (SAE 5...50), gear oils (SAE 80...240), automatic transmission fluid, antifreeze (Ethylene Glycol), brake fluid, windshield wiper fluid, and engine coolant solutions. Modular design, low cost, and a lightweight and rugged design make the OGE the best choice for overhead reel systems and other applications.

The low temperature LCD has an operating temperature range of 14...140° F (–10...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 US gallons and will totalize in liters or US 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. Handle and Nozzle are available for standard models.

OPERATION

As fluid passes through the metering chamber by entering the inlet port, the internal gears rotate, forcing the fluid to exit 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.

To Change the Unit of Measure

1. Press **TOTAL** three times followed by **RESET** three times in a time frame of under 2 seconds. The active unit of measure symbol will flash when you have entered programming mode.
2. Press **RESET** until desired unit of measure flashes on the display.
3. To exit the programming mode, press and hold **RESET** and **TOTAL** simultaneously for 3 seconds.

The display flashes three times and goes blank to indicate the changes have been saved. Press **Reset** to turn the display back on.

NOTE: Changing any unit of measure will reset the non-resettable and resettable totalizers.

To Program the Scale Factor

1. Press **TOTAL** three times followed by **RESET** three times in a time frame of under 2 seconds. The active unit of measure symbol will flash when you have entered programming mode.



2. Press **TOTAL** to advance to the first digit of the scale factor.
3. The selected digit will blink. Push **RESET** to change the value.
4. When the proper value displays, push **TOTAL** to move to the next digit.
5. Continue until the correction factor has been entered.
6. To exit the programming mode, press and hold **RESET** and **TOTAL** simultaneously for 3 seconds.

The display will flash three times and then go blank to indicate the changes have been saved.

FEATURES

- OGE, OGE-SF: 1450 psi (100 bar) rating;
OGE-PVC: 145 psi (10 bar)
- NPT and BSP Threads available
- Large 6-digit LCD display with two decimal-point precision
- Dispense total display in pints, quarts, US gallons or liters
- Unit of measure selectable from the front of register
- Totalization in US gallons and liters
- Resettable and non-resettable totalizer
- Display operation temperature range 14...140° F (–10...60° C)
- Low battery indicator
- long life field replaceable top load battery
- Accuracy of up to $\pm 1\%$
- Calibration factor programmable from front of register
- Calibration factor saved in non-volatile memory

NOTE: 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. Make sure that fluids are properly filtered before entering the meter. Foreign particles will cause inaccuracy or malfunction of the meter. Warranties are void in the circumstances described above.

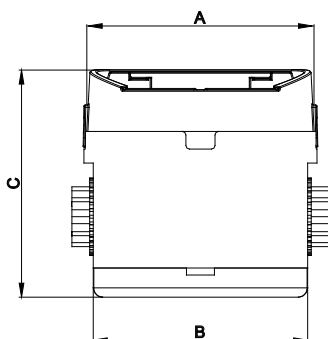
SPECIFICATIONS

	OGE and OGE-SF (Special Fluids Meter)			OGE-PVC
Meter Size	1/2 in.	3/4 in.	1 in.	1/2 in.
Flow Range	0.25...9 gpm (1...35 lpm)	0.8...15 gpm (3.0...60 lpm)	0.8...30 gpm (3.0...115 lpm)	0.25...9 gpm (1...35 lpm)
Inlet and Outlet Connections	1/2 in. NPTF (1/2 in. BSPP)	3/4 in. NPTF (3/4 in. BSPP)	1 in. NPTF (1 in. BSPP)	1/2 in. NPTF (1/2 in. BSPP)
Operating Pressure (Maximum)	Up to 1450 psi (100 bar)			Up to 145 psi (10 bar)
Operating Temperature Range	14...122° F (–10...50° C)	14...140° F (–10...60° C)		14...122° F (–10...50° C)
Accuracy*	±0.5%			±1%
Viscosity	Up to 5000 mPas			Up to 2000 mPas
Weight	2.0 lb (0.9 kg)	1.8 lb (0.82 kg)		1.32 lb (0.6 kg)
6-digit LCD Display, 5/6 in. (8 mm) high	Pints, quarts, US gallons, liters Totalizer 1: 999.99 resetable Totalizer 2: 99999 non-resetable			
Protection class	IP 65 (54)			IP 65

* Tested with motor oil Mobil DTE 25

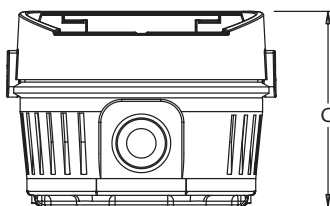
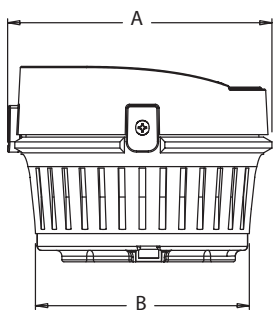
DIMENSIONS

High Flow Meter



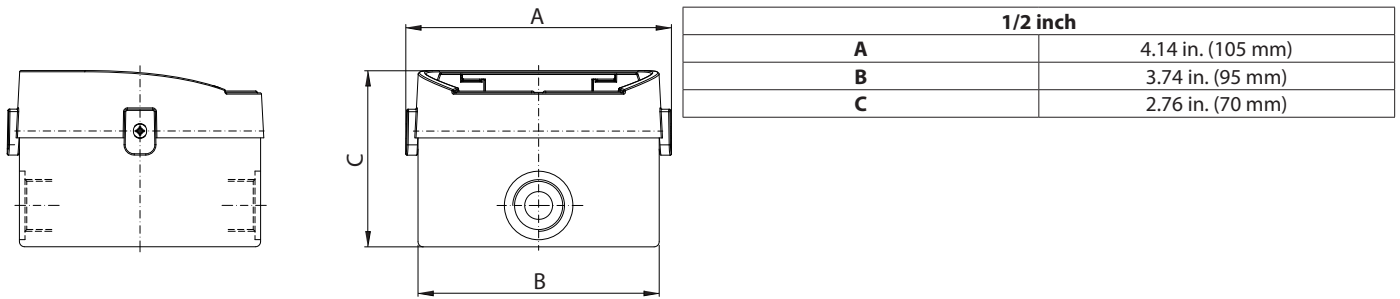
3/4 inch	
A	4.14 in. (105 mm)
B	3.62 in. (92 mm)
C	3.86 in. (98 mm)
1 inch	
A	4.14 in. (105 mm)
B	3.62 in. (92 mm)
C	3.86 in. (98 mm)

Standard Meter

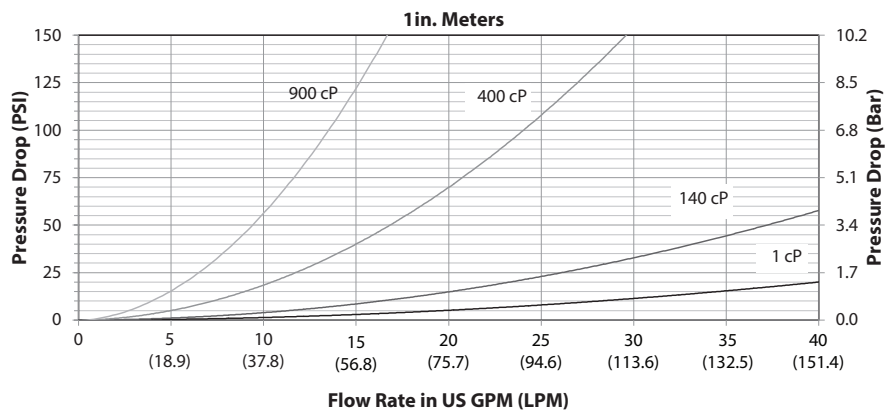
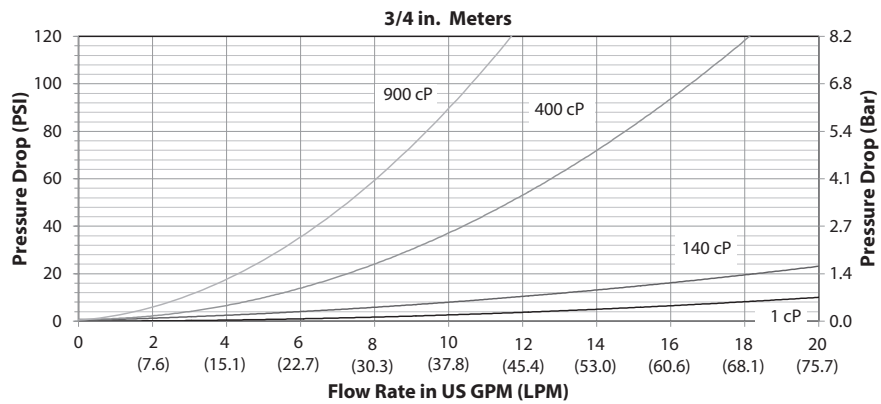
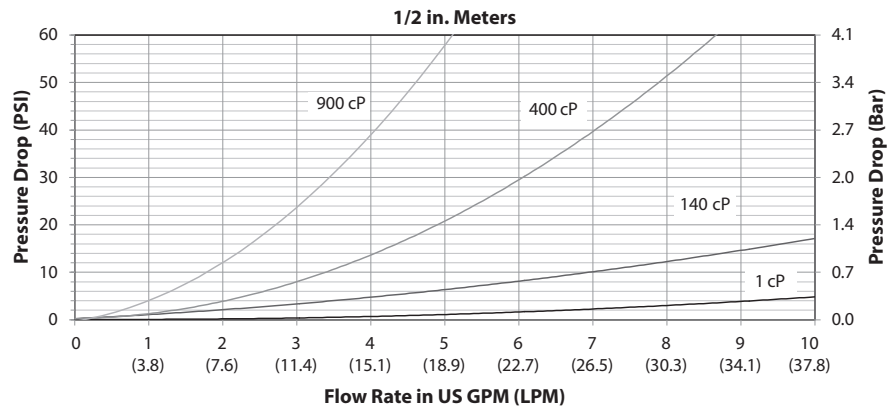


1/2 inch	
A	4.06 in. (103 mm)
B	3.23 in. (82 mm)
C	2.99 in. (76 mm)

PVC Meter



PRESSURE DROP CHARTS



OUTLET NOZZLE

Flex Tube Automatic Tip;
Straight | Meter Size "007" OnlyFlex Tube Automatic Tip;
Straight | Meter Size "005" OnlyFlex Tube Manual Tip;
90° Bend | Meter Size "005" OnlyFlex Tube Automatic Tip;
30° Bend | Meter Size "005" Only

PART NUMBER CONSTRUCTION

Automotive Products

Handheld Meter -
Standard, Spc. Fluid and PVC

METER TYPE

Handheld Meter w/ Electronic Register

OGE

CERTIFICATION

None

W

METER SIZE

1/2 in.

005

3/4 in. | Base Material Options "A0" Only; Seals Option "B" Only; Outlet Nozzle "F2" Only

007

PROCESS CONNECTIONS

NPT; Fuel; Female

NBA

BSPP; Female

BBA

BASE MATERIAL

Aluminum

A0

Aluminum (Hardcoated) | Meter Size Option "005" Only

A4

PVC | Meter Size Option "005" Only; Process Connection Option "BAA" Only

P5

SEALS

Buna-N | Base Meter Material Option "A0" Only

B

Viton®/FKM | Base Meter Material Options "A4" Only

V

AFLAS | Base Meter Material Options "P5" Only

A

CONTROL HANDLE

Control Handle; Standard | Base Meter Material Option "A0" Only

A

Control Handle; Aggressive Fluids | Base Meter Material Options "A4" and "P5" Only

C

OUTLET NOZZLE

None

XX

NPT NOZZLES (For use with Process Connection "NBA")

NPT; Flex Tube; Automatic Tip; Straight | Meter Size "007" Only

F2

NPT; Flex Tube; Automatic Tip; Straight | Meter Size "005" Only

FS

NPT; Flex Tube; Manual Tip; 90° Bend | Meter Size "005" Only

F9

NPT; Rigid Tube; Automatic Tip; 30° Bend | Meter Size "005" Only

R4

UNIT OF MEASURE/PROGRAMMING

Gallons

GAL

Quarts

QRT

Liters

LTR

Pints

PNT

Control. Manage. Optimize.

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