

⚠ WARNING

Systems which will be dispensing fluids under pressure may need to be protected by using a thermal relief kit, which will safely limit the pressures caused by thermal expansion. Please contact your local Lincoln distributor and refer to Service Page Section K5, Page 31 for more details. Failure to include thermal relief protection may cause damage not covered under Lincoln's warranty policy.

⚠ CAUTION

New metering systems must be purged prior to installation of metering control valve to free system of contaminants.

IMPORTANT NOTE:

The automatic nozzle requires 60 PSI to open and function properly. A pump exceeding 60 PSI is required for adequate flow and proper operation. A pump ratio of at least 3:1 is recommended.

DESCRIPTION

The 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.

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 can be programmed to dispense 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 re-calibrated in the field when necessary. 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.

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.

To Change the Unit of Measure:

1. Press the TOTAL button three times, followed by the RESET button three times within a time frame of two seconds. The active unit measure symbol begins flashing, indicating that you are in programming mode.
2. Press the RESET button repeatedly until the desired unit of measure appears flashing in the display.
3. Simultaneously press and hold the RESET button and the TOTAL button for about three seconds to enter the new unit of measure and to exit programming mode.

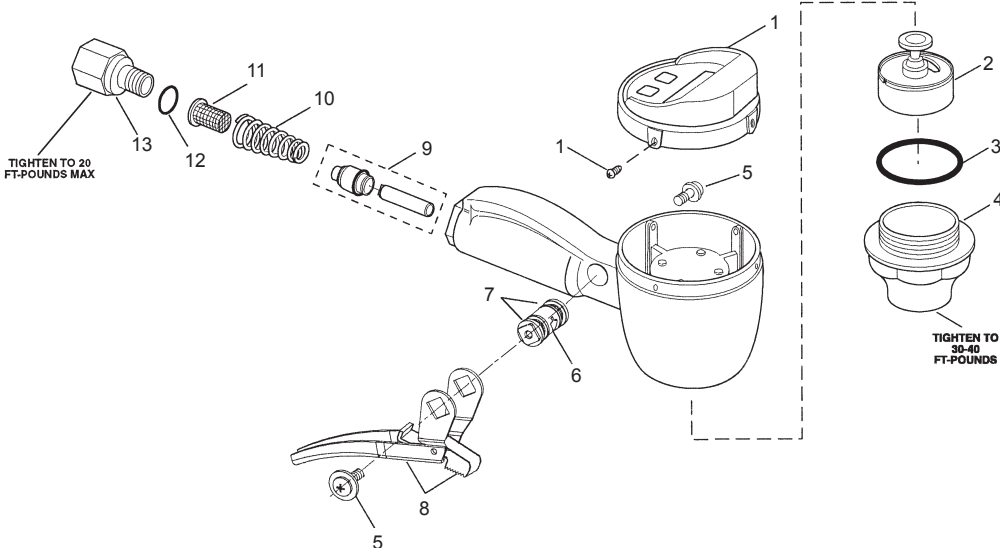
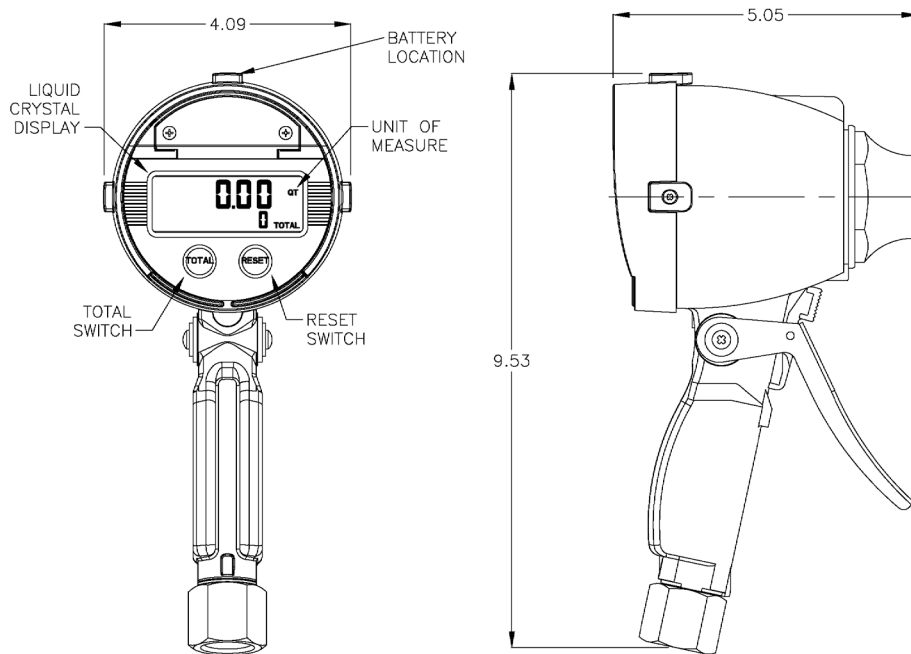
FEATURES

- 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 and Nonresettable Totalizer
- Display Operation Temperature Range -4°F to 140°F
- Low Battery Indicator
- Long life Filed replaceable Top load battery
- Accuracy of (+-) 0.5%
- Calibration factor programmable from front of register
- Calibration Factor saved in non-volatile memory
- 1500 PSI Pressure Rating©
- NPT and BSP Threads available

SPECIFICATIONS

Flow (Maximum)	5 GPM (19 Liter/Minute)
Flow (Minimum)	0.25 GPM (0.95 Liter/Minute)
Operating Pressure (Maximum)	1500 PSI (100 Bar)
Operating Pressure (Minimum)	5 PSI (0.35 Bar)
Operating Temp. (Maximum)	140° F (60° C)
Operating Temp. (Minimum)	-4° F (-20° C)
Accuracy	+/- 0.5%
Weight	3.7 Lbs. (1.7 KG)
5-Digit LCD Display, 5/16" high	Gallons, Pints, Quarts, Liters
Inlet and Outlet Connections	1/2" NPTF

© Indicates change



SERVICE PARTS

Item	Description	Part No.	Item	Description	Part No.
1	Register Module	276921	8	Trigger Assembly	68410-1
2	Chamber & Magnet Assembly	242319	9	Valve & Seat	271700
3	O-Ring	66871-12	10	Spring	69304-3
4	Housing Cap	68410-14	11	Screen	68410-27
5	Screw	68410-2 (2)	12	O-Ring	243176
6	Cam	68410-5	13	Adapter	243175
7	Quad Ring	68410-4 (2)	14	Battery	276923

PROGRAM SCALE FACTOR

- Press the TOTAL button three times and immediately press the RESET button three times, within a two-second time frame. The active unit of measure symbol will flash, indicating that you have successfully activated the meter's programmable mode.
- Press the TOTAL button to advance the first digit of the scale factor. The first digit will be blinking.
- Press the RESET button to increment the digit to the desired value.
- Press TOTAL to move to the next digit. Repeat these steps for each digit.
- Once the value has been properly set, simultaneously press and hold both the RESET button and the TOTAL button for three seconds. This will enter the scale factor value and will exit from programmable mode.