

Digital Oil Control Valve

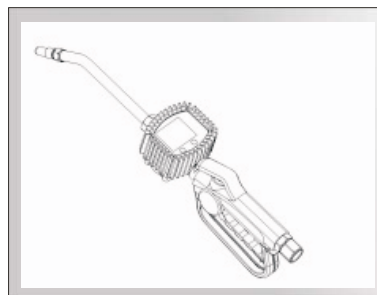
Manual

Manual



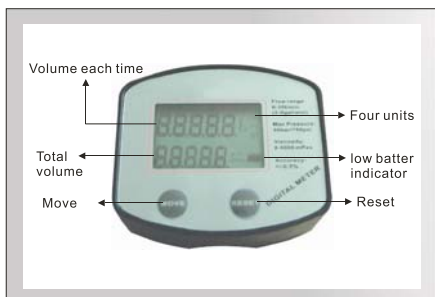
General

The digital meter gun with rigid tube and manual tip (or flexible hose and semi-auto tip), with the appropriate connection to establish a controlled flow through the meter.



Meter

- 5-digit liquid crystal display for both volume each time and total
- 4 units: L, GAL, PT and QT
- accurate to the second decimal place
- low battery indicator
- 4 buttons: "Move", "Reset", "1" and "2" (back of the meter)



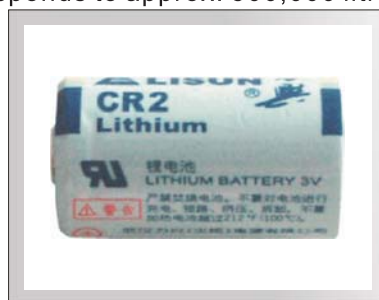
Attn: Do not apply the meter as a measuring tool for commercial trading

Details of Operation

1. Before putting into operation
 - check the technical data of the installation match with those of the lube meter. For example connections, pressure, flow range and medium. Use the formula: **Proper correction factor = (actual value/ displayed value) x current correction factor** to decide the right connection factor, then set the proper correction factor (refer to 3. Button usage part)
 - Once the meter has been installed, please make sure that no air pressure shocks or particles can damage the meter
 - Please check all connections to leakage.








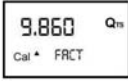

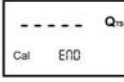


2. Change the battery

- Battery type: Lithium CR2, 3V/1400 mAh
- last for 8 years of operation, corresponds to approx. 500,000 litres (132,000 US GAL)
- change the battery like below when the battery signal is flashing on the display
 - Remove the protector cover, unscrewing the screw
 - Change the battery and screw the lid on again



3. Button usage

- Move → Choose the digit or unit during modification
- Reset → 0.00
- “2” → Into Correction Factor or measurement unit change mode
- “1” → Activate the meter again incase it is dead
- Move+Reset<5sec. → Show current correction factor
- Modify Correction Factor
 - “2” for 1sec. → into Correction Factor Change mode
 - Move → Choose the digit wanted to change
 - Reset → add 1 on the digit, until reach the right number
 - “2” for 1sec. → quit Correction Factor mode

	Action	Display
1	NONE METER in Standby.	
2	Press Key 1 for 1 sec The METER enters calibration mode, shows <<CAL>> and displays the calibration factor in use instead of partial. The words "Fact" and "USER" indicate which of the two factors (factory or user) is currently in use. Important: This factor is that which the instrument also uses for field calibration measurement operations	
3	Press Key 1 for 1 sec again The METER shows "CAL" and the partial at zero. The meter is ready to perform in-field calibration.	
4	DISPENSING INTO SAMPLE CONTAINER Without pressing any key, start dispensing into the sample container.  Dispensing can be interrupted and started again at will. Continue dispensing until the level of the fluid in the sample container has reached the graduated area. There is no need to reach a preset quantity. Indicated value Real value  	
5	Calucation Please input the K Factor when you have calculated the number $9.86/9.8=1.015$. Indicated value Real value  	  

- Change measurement unit
 - “2” for 1sec. → into Measurement Unit Change mode
 - Move → Choose the unit wanted to change
 - Reset → switch between the four units (L, GAL, PT and QT)
 - “2” for 1sec. → quit Measurement Unit Change mode

Installation procedure

The Digital gun is equipped with a 1/2” (BSP/NPT) female thread on the inlet side. In order to obtain a leakage free connection from the meter to the hose, the hose end must have a 1/2” (BSP/NPT) male thread.

- Clean both threads from fat.
 - Brush the 1/2” male thread at the hose with liquid sealant sealing. Please be careful that no sealing gets into the meter.
 - Screw both parts together.
- Do not over-tighten the screw connection; otherwise the swivel of the meter could be damaged.

Technical data

Description	America	Europe
Flow rate range	0-9.2gpm	0-35 L/m
Operating Pressure (Maximum):	1500 psi / 100 bar	1500 psi / 100 bar
Working Temperature:	14°F-+122°F	-10°C-+50°C
Accuracy(non-approved version)	±0.5%	±0.5%
Accuracy(approved version)	±0.3%	±0.3%
Applied Viscosity of Fluid	8-5000mPas	8-5000mPas
5-Digit LCD display	Quarts, Pints, Gallons	Liters
Inlet and outlet connections	1/2” NPT	1/2” BSP