



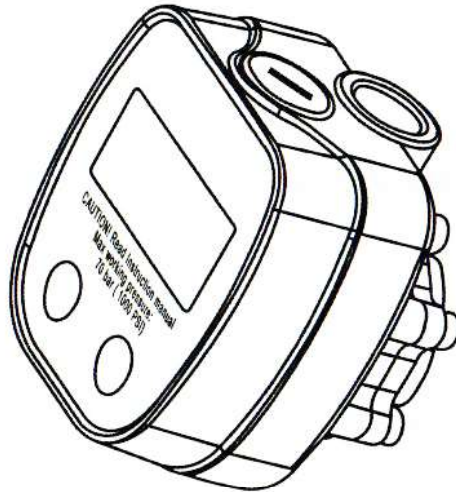
**LUBE**  
Control

Lube Control Pty Ltd

**STM**

LEADERS IN FLUID TRANSFER SOLUTIONS

# Digital Oil Meter Instruction Manual



**G907000**



Read this manual before usage. Keep it well for further reference.



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## 1. Statement

The operator of the facility must ensure to have fully understand the contents of the manual, especially the safety instructions for the operators. If you have any questions about the purchased product and the installation instructions, please contact the seller. Please be careful with the Instruction and warning labels. In case of loss or contamination, please buy it immediately from the seller, then paste it correctly. If the product is not used in accordance with the instructions, the company will not assume any responsibility, and the warranty is invalid.

## 2. Summary & Technical Parameters

### Summary:

- The digital display meter gun is convenient using and can accurately measure the transportation and transfer various kind of lubricants, diesel fuel, antifreeze, window wash liquid, etc.
- In working mode, both local and total conveyors will be displayed
- This product can not be used as a commercial measuring instrument.

### Technical Parameters:

Item No.	G907000	
Units	British System	Metric System
Inter-medium	Liquid Coolant, Lubrication Oil, and so on	
Max. Flow Rate	10GPM	38LPM
Min. Flow Rate	0.25GPM	1LPM
Max. Working Pressure	1000PSI	67BAR
Min. Working Pressure	5PSI	0.35BAR
Working Pressure of Automatic Nozzle	70PSI	5BAR
Min. Burst Pressure	2900PSI	200BAR
Storage Temperature	-4~+158° F	-20~+70° C
Storage Humidity	Less 95% RU	
Operating Temperature	14~+140° F	-10~+60° C
Measurement Accuracy (Lubrication Oil)	± 0.5%	
Measurement Accuracy (Liquid Coolant)	± 1.5%	
Battery	Lithium Battery 2x CR123A (1300mAH)	
Battery Life	Continuous Working Mode: More than 12 months, Standby Mode: More than 24 months	
Unit of Measurement	QT, PT, GAL	L
Inlet Connector	1/2" NPT	1/2" BSP



### 3. Warning:



#### 3.1 Explosion and fire hazards

- Poor ventilation, open flames or sparks can cause a hazardous condition and result in an explosion or fire and cause serious injury.
- Be sure the fluid system is properly grounded. See your pump instruction manual for details.
- If there is static sparking or if you feel an electric shock while using the meter, stop dispensing immediately. Identify and correct the problem before continuing.
- Provide fresh air ventilation. This will avoid the build-up of fumes from the fluid being dispensed.
- Do not smoke while dispensing flammable fluids.
- Keep the dispensing area free of debris including solvents, rags and spilled gasoline.

#### 3.2 Meter Fault

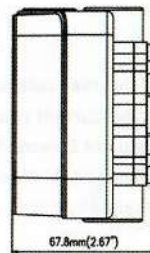
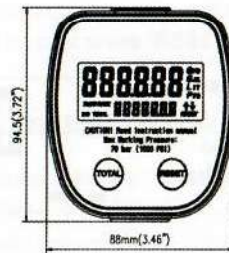
- Equipment misuse can cause the meter to rupture or malfunction and cause serious injury.
- This equipment is for professional use only.
- Read all instructions, tags and labels before operating the equipment.
- Use the equipment only for this intended purpose.
- Do not modify or alter the equipment.
- Do not leave equipment unattended while dispensing.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure level of the lowest rated system component.
- Use only extension and nozzles that are designed for use with this equipment.
- Use only fluids and solvents that are compatible with the equipment. Read all fluid and solvent manufacturer's warnings.
- Tighten all fluid connections before operating this equipment.
- Do not stop or deflect or deflect leaks with hands, body, gloves or rags.
- Do not dispense towards any person or any part of the body.
- Do not place hands or fingers over the end of or into the dispense valve.
- Comply with all local, state, and federal fire, electrical and safety regulations.
- Use of this product in a manner other than specified in this manual may result in impaired operation or damage to equipment.



## WARNING

- This meter is designed specifically to dispense petroleum products.
- Do not use for windshield wiper fluid, brake fluid, or water based solutions.
- Do not expose the digital indicator to bad weather. It is recommended that the product avoid rain and sun exposure.
- Do Product lowest highest use temperature: -10+60°C / 14+140°F.
- Before using the product, perform daily maintenance and cleaning to ensure that the product is disconnected from the connected equipment (air source, pump, power supply, etc.).

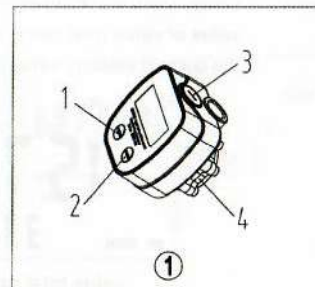
### 4. Appearance



### 5. General Description

#### 5.1 Buttons and batteries

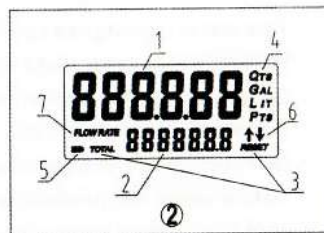
1. TOTAL button: multi-function button
2. Reset button: multi-function button
3. Battery compartment: each product contains 1 standard battery 3v (specification CR123A), which is fixed and sealed by screw cap. It can be quickly disassembled and installed with a one-word screwdriver, making it very convenient to replace the battery.





**5.2 LCD Display**

1. Partial record indication, the displays the total amount after the last use. Press the RESET button when using it.
2. Total record indication.
3. Two kinds of cumulative value display and measurement (TOTAL RESER can reset, TOTAL can't reset)
4. Measurement unit (QTS, GAL, LIT, PTS)
5. Battery level
6. Two arrows are used for calibration
7. Display instantaneous flow



**6. Operation**

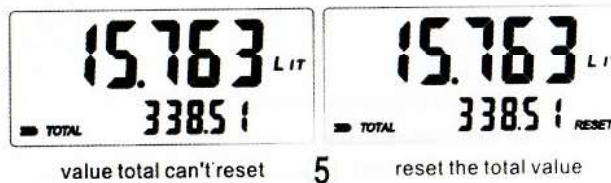
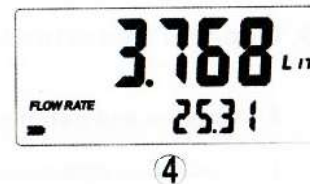
**6.1 Standby**

At the end of this measurement, the descending delay shows the current velocity value or resettable value of 2 seconds. If there is no action, the permanent value and standby status will be automatically displayed (figure 3).



**6.2 Normal measurement**

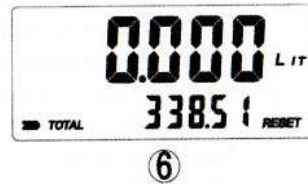
When liquid flows through the machine in filling model, it will be automatically measured. The upper digit shows the current measurement value, while the lower figure can reset the total value or value total can't reset (figure 5), or show the current velocity value (figure 4).





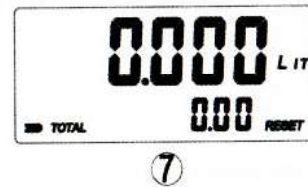
### 6.3 Reset current value

In standby mode, press the "RESET" button, and the current measurement value will return to zero after 2 seconds of full display screen, and the value of "RESET" value will be displayed downward (figure 6).



### 6.4 Resettable total

When the state of resettable total value is displayed, press the "RESET" button for a long time, then after 2 seconds of full display screen, the upward and downward value will all return to zero, indicating that the resettable total value will return to zero (figure 7). The standby status will be returned automatically after press "RESET" button.



### 6.5 Observed real time velocity

In standby mode, press the "TOTAL" button, and the "FLOW RATE" will be displayed. At this point, if there is liquid flowing through, the current measurement value will be displayed on the up side and the liquid FLOW RATE will be displayed on the down side (figure 8).



### 6.6 Unit Setting

In the standby state, press the "TOTAL" and "RESET" keys for 3 seconds at the same time, and then enter the state of modified units of measurement (figure 9). At this time, you can change units by pressing the "RESET" button.



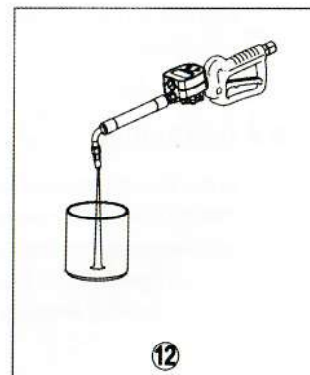
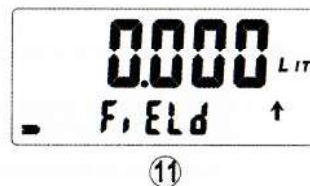
### 6.7 K factor selection

In the standby state, press the RESET button for 3 seconds in the unit switching state, then enter the K coefficient selection state. You can press the RESET button, and choose one of the four K coefficients ("user-1, user-2, user-3 and FACT") as the subsequent measurement parameter. (FACT, USER 1, USER 2 and USER 3 can be set and saved by the USER themselves, and can be called at any time. FACT coefficient cannot be changed)



### 6.8 K factor Automatic setting

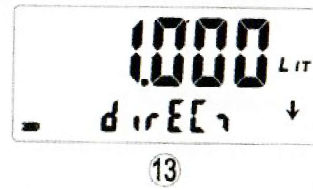
Under the K factor selection state, long press the RESET button for more than 3 seconds, at this time into the K factor automatic calibration status (figure 11), upward show "0.000", calibration using the table to add fluid into a standard air measuring tool (figure 12). at the same time, the instrument shows the number of filling, after filling full calibration readings of measuring staff and use the TOTAL keys into the modified state of reading, to move the cursor by the RESET button, use the TOTAL key Numbers to the reading of the measuring tool, long in TOTAL, the RESET button for 3 seconds, then the system automatically calculates the coefficient K and saved in the current. Simultaneously exits the calibration state, returns the standby state.





### 6.9 K factor change

In K factor automatically set state, long press the RESET button again for more than 3 seconds, at this time into the K factor manual calibration status (figure 13), upward show "0.000", if the press TOTAL, entering a state directly modified K coefficient, upward shows "N.N NN", calibration using modified coefficient of TOTAL keys into the state, move the cursor by the RESET button, then modified by TOTAL key figures to target, long in TOTAL, the RESET button for 3 seconds, then save out of calibration status at the same time, after return to standby mode



**After the above adjustment, this digital display meter can be used for normal measurement according to the set parameters.**

### 7. Power consumption

1. Standby < 15ua
2. Measuring < 100ua
3. The continuous working time of CR123A lithium battery (1300MAH) is not less than 12 months, and the standby time is more than 2 years.

### 8. Battery power indicator

The battery power icon of the oil meter is shown in (figure 14) ,When the display and flashing, the battery power is run out, please replace as soon as possible.



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## 9. Troubleshooting

Relieve the pressure prior to checking or repairing the meter. Make sure all valves, controls and pumps are operating correctly.

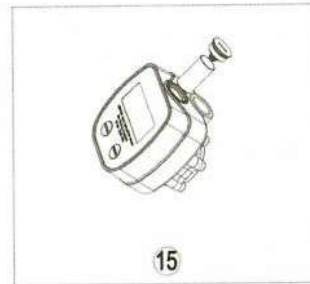
Condition	Possible cause	Corrective action
Battery icon is displayed	Batteries are low	Replace batteries
Display blank	Meter asleep	Push reset button
	Loose battery connection	Remove battery pack and check battery connection/ Push reset button
	Batteries dead	Replace batteries/Push reset button
Meter dose not latch for batching	Meter not in AUTO mode	Press AUTO button and program batch size Press RESET button
	Low Batteries caused Meter can not reset	Check for battery icon/ replace batteries/push RESET button
Slow or no fluid flow	Filter is clogged	Clean or replace the filter in the swivel nut
	Pump pressure is low	Turn up the pump pressure
	Foreign material is jamming meter	Contact your local repair distributor
Meter inaccurate	Scale factor not correct for fluid	Enter program mode, check and reset program factor
Program overload	Pulse delay value set too low	Enter program mode ,reset pulse delay to higher value



## 10. Installation of Battery

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1. The waiting list goes into standby mode
2. Turn the battery cover counterclockwise with a suitable screwdriver (figure 15).
3. Take out the depleted battery.
4. Note that the battery must be handled in accordance with the relevant national regulations.
5. Install the new battery of the suitable type into the battery compartment in the direction of positive pole inward and negative pole outward
6. Reinstall the battery cover in place.



**When the new battery is installed, the meter will open automatically and return to normal use. All built-in parameters are the same as before the battery is replaced.**