Pro-Tech TOOLS

Fuel nozzle with LCD digital fuel and oil flow meter, 1"



Instructions for use

Translation of the original instructions

It is recommended to install a filter upstream of the meter to remove any metal particles from the liquid, which may stick to the meter's magnets and distort the measurement result. If the impeller does not rotate freely, apply penetrating lubricant to the impeller, shaft and bearing. Remove any dirt or deposits from the impeller using a soft brush. Take care not to damage the impeller or the turbine support.
To ensure measurement accuracy, ensure there is no air in the system and that the minimum flow requirements are met before use. Protect the device from strong magnetic fields and avoid subjecting it to impact. When the message 'L Bat' appears, replace the battery.

Technical specifications
Model: BZL-A10 Power
supply: 2x AAA (3V)
Max. pressure: 3 bar
Flow range: 0–80 l/min Accuracy:
±0.5%
Resolution: 0.01 l
Medium: Diesel, Oil, Petrol Max.
medium temperature: 40°C
Connection: 1" thread
Protection rating: IP44

The computer screen is programmed to return to standby mode after 5 seconds of inactivity.

Reset to "0"
Press the "DISPLAY" button for approximately 1 second.

Total
Pressing the "CALIBRATE" button displays the total amount of fuel dispensed. When the total reaches the maximum value of 999.999, it automatically resets to zero.

Changing units
Press and hold "CALIBRATE" for 3 seconds, press "DISPLAY" 5 times, then press "CALIBRATE" to switch units between litres (L) / Gallons (GAL) / Pints (PT) / Quarts (QT).

Calibration
To perform calibration, press and hold the "calibrate" button; the current A0 multiplier will be displayed. By pressing the "calibrate" button increases the flashing digit by 1; press the "display" button to move to the next (flashing) digit. The computer screen is programmed to return to standby mode after 5 seconds of inactivity.

By pumping a known quantity of fuel X and subtracting the displayed quantity Y, we calculate the new multiplier A = Y / X * A0, which should be entered according to the procedure described above.
For example (with the current multiplier A0 = 1.00), if 103 l is displayed whilst 100 l of liquid has been drawn, set the value to 103/100 * 1.00 = 1.0300.