



INSTRUCTIONS FOR: DIGITAL FUEL METER Model No: TP100

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND ONLY FOR ITS INTENDED PURPOSE. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- 3 Maintain the meter in good condition (use an authorised service agent).
- 3 Replace or repair damaged parts. *Use recommended parts only. Non-authorised parts may be dangerous and will invalidate the warranty.*
- 3 Keep the meter clean for best and safest performance.
- 3 Wear safety goggles and gloves, and protective clothing when working around fuel. A full range of personal safety equipment is available from your local Sealey dealer.
- 3 Use the meter in an appropriate working area. Keep area clean and tidy and free from unrelated materials, and ensure there is adequate lighting.
- 3 Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- 3 Keep children and unauthorised persons away from the working area.
- p **WARNING! DO NOT smoke or have flames or other incandescent heat sources in the vicinity of fuels.**

2. PRELIMINARY CHECKS

- 2.1. Before using the meter, unpack and inspect the unit and two fittings for damage.
- 2.2. Contact your dealer if any items are damaged or missing.

3. SPECIFICATION

Temperature Range:
Operating -15 to +60°C
Storage -40 to +70°C

Construction Materials

Wetted Parts

Signal Generators Ferrite
Shaft Tungsten Carbide
Bearings Ceramic
Retainer Rings Stainless Steel

Housing Aluminium
Pressure Rating 20.7 bar

Batteries Alkaline, AAA (UM-4) x 2
Units of Measurement Litres
Flow Range 10 to 100 litres/min.
Accuracy ±5%
Readout Range 0.01 to 999,999 litres
Working Pressure 20.7 bar
Internal Diameter 1 inch
Port Threads 1 inch BSP
Length x Depth x Width 102 x 64 x 51mm

4. USING THE FUEL METER

WARNING! Ensure that you have read and understood and that you apply the safety instructions in Section 1.

4.1. PREPARATION

- 4.1.1. The meter is shipped with the batteries isolated. To connect batteries first remove the four screws retaining the display and lift display unit from body of meter (batteries are located on underside of display unit). Remove insulating strips from between battery terminals and contacts. With display unit inverted check that seal is correctly located in groove around inner edge and then put meter housing onto display unit noting that the direction-of-flow arrow on the housing should be to the left of the display unit when viewed normally. Replace the four screws.
- 4.1.2. Before connecting the meter into a fuel line ensure that no pieces of packaging etc. are visible within the bore, but DO NOT blow clean with compressed air as this will damage the turbine.
- 4.1.3. When connecting the meter note, and comply with, the direction-of-flow arrow on the housing, to the left of the display.

4.2. OPERATION

- 4.2.1. The display is automatically switched on when fuel flows or when the Display button, to the left of the display window, is pressed.
- 4.2.2. There are two displays available, designated TTL1 and TTL2, and switching between them is achieved by pressing the button for approximately 1 second and then releasing.
TTL1 - this display may be zeroed by holding the button down for approximately 5 seconds. It is therefore suitable for batch measurement.
TTL2 - this display cannot be zeroed and therefore shows the cumulative throughput of fuel.
- 4.2.3. The display will automatically shut down approximately 1 minute after fuel flow stops, giving time to record the readout. If necessary the display can be reactivated by pressing the button.

Note: Removal and refitting of one or both batteries will zero both displays.

5. CALIBRATION

- 5.1. This meter has a permanent factory calibration for measuring petrol, diesel or kerosene. If installed and used correctly, inaccuracies of no greater than ±5% will be obtained.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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