

DVF1

Automatic Volumetric Fuel Gauge with Digital Read-Out

Automatic fuel gauge for use with TecEquipment's Engine Test Sets (TD200 and TD300 series)

Works with
VDAS[®]



- Automatic volumetric fuel gauge
- For use with TecEquipment's Small Engine Test Set (TD200) and Regenerative Engine Test Set (TD300)
- Accurately and automatically calculates fuel consumption
- Directly displays fuel consumption on digital read-out
- Can cycle continuously or run once only
- Fully compatible with TecEquipment's Versatile Data Acquisition System (VDAS[®]) and software
- Self-sealing couplings enable quick and efficient connection and disconnection of fuel lines with minimum loss or spillage of fuel

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- An ISO 9001 certified company
- VDAS is a registered trademark of TecEquipment Ltd



DVF1

Automatic Volumetric Fuel Gauge with Digital Read-Out

Description

An automatic volumetric fuel gauge for use with TecQuipment's Small Engine Test Set (TD200) and Regenerative Engine Test Set (TD300). The gauge accurately calculates fuel consumption and displays it directly on a digital read-out.

The Automatic Volumetric Fuel Gauge consists of a:

- precision two-bulb pipette with sensors;
- digital read-out unit which displays fuel consumption and allows data to be transferred to a suitable PC (not supplied) via the TecQuipment data acquisition system (VDAS®).

The gauge mounts on the instrumentation frame of the test set and connects between the fuel tank and the engine under test. Fuel enters the pipette from the tank. A solenoid valve automatically shuts off the fuel supply from the tank so that the engine draws the fuel from the pipette. Sensors arranged on the pipette record the time taken to consume a set volume of fuel, and the instrumentation unit automatically calculates the fuel consumption. The solenoid valve then opens and the pipette re-fills. The unit can be set to continuously cycle in this manner or cycle once only.

All connections are made using self-sealing couplings. The couplings ensure the fuel gauge can be connected and disconnected quickly and efficiently with minimum loss or spillage of fuel.

Suitable for use with petrol or diesel.

Standard Features

- Supplied with comprehensive user guide
- Two-year warranty
- Made in accordance with the latest European Union directives

Essential Services

Electrical supply:

Single-phase a.c. 90 to 240 V, 50/60 Hz

Operating Conditions

Operating environment:

Laboratory environment

Storage temperature range:

-25°C to +55°C (when packed for transport)

Operating temperature range:

+5°C to +40°C

Operating relative humidity range:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specification

Dimensions:

- Pipette: width 180 mm x depth 125mm x height 450 mm
- Instrumentation: width 180 mm x depth 114 mm x height 450 mm
- Packed (total): 0.05 m³

Weight:

Packed 10 kg

Calibration:

mL.min⁻¹

Resolution:

0.1 mL.min⁻¹

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