



**VDAS® DVFI**

# AUTOMATIC VOLUMETRIC FUEL GAUGE WITH DIGITAL READ-OUT



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



- Automatic volumetric fuel gauge
- For use with TecQuipment'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 TecQuipment'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



# 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 fuel gauge with sensors;
- digital read-out (display) unit which shows 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 fuel gauge from the fuel tank. A solenoid valve automatically shuts off the fuel supply from the tank so that the engine draws the fuel from the fuel gauge. Sensors on the fuel gauge record the time taken to consume a set volume of fuel, and the display unit automatically calculates the fuel consumption. The solenoid valve then opens and the fuel gauge refills. 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
- Five-year warranty
- Made in accordance with the latest European Union directives

## ANCILLARY FOR

- Small Engine Test set (TD200)
- Regenerative Engine test Set (TD300)

## ESSENTIAL SERVICES

### ELECTRICAL SUPPLY:

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

## OPERATING CONDITIONS

### OPERATING ENVIRONMENT:

Laboratory

### 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

## SPECIFICATIONS

### NETT DIMENSIONS:

- Fuel gauge: width 230 mm x depth 100 mm x height 450 mm and 4.4 kg
- Display unit: width 190 mm x depth 130 mm x height 450 mm and 3.7 kg

### APPROXIMATE PACKED DIMENSIONS:

0.05 m<sup>3</sup> and 15 kg