



## *PROFESSIONAL TORQUE TESTER*

# **PRO-TEST 12 VOLT DC POWER SUPPLY (Part No 60188)**

**OPERATOR'S HANDBOOK (PART No 34245)**

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## INTRODUCTION


The 12 Volt DC power supply has been designed to provide power to the Pro-Test range of instruments from a car / van cigarette lighter socket. The power supply is intended for use with +12 Volt, negative earth vehicles. When the input voltage to the power supply falls below 9 volts, the Pro-Test display will respond with a flashing 'Low Batt' message in the units of measurement area of the display.

## OPERATING INSTRUCTIONS

**IMPORTANT:-** The vehicle engine should not be running whilst the power supply is switched on.

1. Plug 12 Volt DC Power Supply into back of Pro - Test transducer housing.
2. Push the Car Port Adapter plug into cigarette lighter socket.
3. Switch on DC power supply.

## SPECIFICATIONS

INPUT POLARITY	0 Volts (GREEN) —  — +12 Volts (RED)
INPUT VOLTAGE RANGE	+9 Volts to +14 Volts DC
OUTPUT VOLTAGES	+12 Volts (maximum current 125 mA) -12 Volts (maximum current 125 mA) +5 Volts (maximum current 400 mA)
LOW BATTERY MESSAGE THRESHOLD	9 Volts (approx)
POWER CONSUMPTION	3.0 W - maximum.
DIMENSIONS	33 mm high x 64 mm wide x 154 mm deep.
CABLE LENGTHS	2.9 metres approx (Car Port Adapter to power supply) 0.4 metres approx (Pro-Test power input connector to power supply).
FUSE	Internal T500 mA (5×20mm)
OPERATING TEMP RANGE	0°C to +60°C.
STORAGE TEMP RANGE	-20°C to +70°C.
MAXIMUM OPERATING HUMIDITY	85% Relative Humidity @30°C.
MATERIALS / FINISH	Aluminium casting.
ENVIRONMENT	Indoor use within a light industrial environment.
ELECTROMAGNETIC COMPATIBILITY (EMC) DIRECTIVE	In conformance with EN 50081-1 : 1992 & EN 50082-1 : 1992.
WEIGHT	0.42 kg (0.93 lb)

*Due to continuous improvement all specifications are subject to change without prior notice.*

## TROUBLE SHOOTING

1. **No display when power is switched on.**

- a) Switch power off at the 12 Volt DC power supply, wait 2 seconds then switch power on again.
- b) Check fuse in 12 Volt DC power supply.
- c) Check the power input connector is fitted correctly into transducer housing.
- d) Check the lead is fitted between the display module and transducer.

2. **Display shows zero and does not alter when torque applied.**

Switch power off at the 12 Volt DC power supply, wait 2 seconds then switch power on again.

3. **Low Batt message flashing on display.**

Check vehicle battery for possible low battery voltage