

Battery and Fuse Replacement

Battery symbol will appear in the display if replacement necessary.

- To replace battery and fuse, remove 2 small screws in the back of unit.
- Batteries required 2 x AAA.
- Fuse required F250mA/600V
F10A/600V.



6228_Instructions_V4

Manufacturer: The Tool Connection Ltd

EU Authorised Representative: Comply Express Unipessoal Limitada, StartUp Madeira, EV141, Campus da Penteada, 9020 105 Funchal, Portugal

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.

**TOOL
CONNECTION**

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Part No. 6228

LASER[®]

Digital Multimeter

Instructions



www.lasertools.co.uk


Digital Multimeter - Introduction

This instrument measures DC/AC voltage, DC current, resistance and diodes.

Warning

Not suitable for measuring over 600V.

Always check instrument for cracks and damage prior to use.

Measurements	Connections	Results
DC Voltage Measurement AC Voltage Measurement	Red to VΩmA jack Black COM jack	Turn on power to circuit. Voltage will appear on digital display along with polarity.
DCA Direct Currant Measurement	Red to VΩmA jack or 10A jack Black lead to COM (for measurements 200mA and 10A connect red lead to 10A jack fully depressed.)	Switch to desired DCA position. Open circuit to be measured and connect test leads in series.
Resistance Measurement	Red lead to VΩmA Black lead to COM	Switch to desired ohm position (if the resistance being measured is connected to a circuit turn off power to discharge all capcitors before measurement. Connect leads to circuit.
Diode Measurement	Red to VΩmA Black COM	Switch to  position, connect the red test lead to the anode of the diode to be tested and black test lead to the cathode. The forward voltage drop in mV will be displayed (if the diode is reversed Fig 1 will be shown).
Transistor hFE Measurement	Check if the transistor is PNP/TC or NPN type, use multi-function socket. Insert the Emitter, Base and Collector leads from the transistor into the appropriate socket.	The meter will display the appropriate hFE value at the condition of standard base current 10uA and Vce2.8v.