

**NEW**

**SOCKET  
& SEE™**

**DLMPRO**

**Combined DMM, Loop and Socket Tester**

## Application Note for Domestic Appliance Engineers

When installing, servicing or repairing domestic appliances it's part of an engineer's core skills to carry out essential electrical safety checks and safe electrical isolation.

These requirements are covered in HSE Engineering Information Sheet Number 35. "Safety in electrical testing - service and repair of domestic appliances".

The new, UK designed, Socket & See DLMPRO has been developed specifically with the electrically conscientious engineer in mind.

The DLMPRO includes all essential electrical safety check functions combined with digital multimeter functions for fault finding. It's the domestic appliance engineer's tester that makes electrical checks easier and safer.



GOOD loop test indication

## Essential Electrical Safety Checks:

Mains voltage, socket wiring condition and earth fault loop testing are made easy by simple rotary selection and colour coding on the terminals and switch positions.

Results are clearly displayed on the LCD screen, fault conditions are easily recognisable as an audible warning sounds and a red back light on the screen illuminates. Earth fault loop results also come with a written GOOD, CHECK or FAIL indication.

To ensure safety, whenever the tester is connected to a dangerous voltage the red Volts Present LED will illuminate. This will illuminate irrespective of which function is selected.



GOOD socket test and mains voltage



Fault condition missing earth

## Digital Multimeter Functions:

Gone are the days of over complex multimeters with functions that are never used. Socket & See have kept it simple. The DLMPRO has only the functions a domestic appliance engineer needs for their fault finding requirements.

### Volts AC

Measures from 0 - 500 VAC at frequencies between 40 - 200 Hz. If a voltage of less than 50 VAC is detected the DLMPRO will introduce a low impedance to automatically suppress ghost voltages without having to change the testers function.

### Volts DC

Measures from 0 - 500 VDC. If accidentally connected to an AC supply an audible warning is given and the back light illuminates red.

### Continuity

Measures from 0.1 - 2MΩ. For measurements under 2Ω the DLMPRO will give a steady tone to allow the engineer to easily 'bell out' cables, switches or components. If the DLMPRO is accidentally connected to a live circuit with continuity selected an audible warning is given and the LCD illuminates red. The tester is fully protected against accidental mains connection.

### Auto Null

The Auto Null function ensures that the resistance of the test leads is taken into account when conducting continuity checks so ensuring accurate readings.

### Accessories:



SS130 Socket adaptor included



TECC10 Carry case included

The DLMPRO comes complete with colour coded leads, clips and prods.

For ease of use at socket outlets it also includes the Socket & See SS130 socket adaptor.

To keep both hands free when fault finding the DLMPRO can be fitted with the magnetic strap that comes as standard. Meaning the tester can be hung securely from an appliance enclosure.

The tester and all the accessories come in a durable fabric carry case to ensure that the kit is protected and organised when not in use.

### Advantages:

The ergonomic and robust design, along with the single rotary switch and colour coding make the DLMPRO simple and user friendly.

The combining of the digital multimeter, loop and socket test functions means that it's the only tester an engineer will need. This reduces the number of instruments required and the need to calibrate multiple instruments.

### Ordering Information

Item	Supplier Code
Socket & See Combined DMM, Loop and Socket tester	SOC/DLMPRO
Socket & See Socket Adaptor	SOC/SS130
Socket & See Two Compartment Carry Case	SOC/TECC10

