

MTL Low Voltage Test Lamps

SAFER TESTING

"Burns due to "arcing" or "flashover" from the use of unsatisfactory test probes account for more accidents in electrical testing than are caused by electric shocks".

This quotation from H&SE Guidance Note GS38 "**Electrical Test Equipment for Electricians**" highlights a major danger from the use of inappropriate test equipment on high energy circuits.

To provide for safe working the electrician must be able to detect or confirm the presence of a voltage and in this there is a specific recommendation in the **GS38** guidance note.

"Where a test is being made simply to establish the presence or absence of a voltage the preferred method is to use a proprietary **test lamp** or voltage indicator suitable for the working voltage rather than a multimeter. Accident history has shown that the use of incorrectly set multimeters or makeshift devices for voltage has caused accidents frequently".

The Drummond Test Lamp is designed specifically for the professional electrician and electrical engineer and its robust construction and proven reliability will, with proper care, give many years of safe use.

GENERAL SPECIFICATION (BS7869)

The tough moulded body houses a 240V 15W special rough service filament lamp protected by a translucent cover. An HRC fuse is incorporated within the body adjacent to the moulded finger guard into which the insulated probe is screwed.

A double insulated EPR/CSP cable oil resistant and flame retardant 1.3m long with black outer and white inner to give visual warning of cuts and abrasions connects the body to the prod handle. The conductor is multistrand tinned copper 2.5 sq. mm cross sectional area.

The high insulation moulded prod handle houses the current limiting resistor and a second HRC fuse, access via the removable finger guard.

The screw in probes, two straight, one angled have hard insulation to less than 2mm of the tip (GS38).

Optional special purpose long probes are 83mm long with overall diameter, reduced to 2.8mm for 13mm from tip. Hard insulation to less than 2mm from tip. Reference part no MP18-1013. Fuses fast acting HRC 500mA 200kA 500V. Ingress protection IP55

TESTING THE TEST EQUIPMENT

It is of the utmost importance to recognise that a test lamp or voltage indicator can never be completely "fail safe" and therefore the test lamp should be checked before and after use on a known healthy supply of the appropriate voltage

The Continuity Tester is provided to assist in conditions where a known supply might not be readily available. It is not designed as a permanent replacement for the approved method of testing on a live circuit and is **available only** with the **MTL9-C** which is fitted with the parallel LED circuit.

A separate battery powered portable Proving Unit is available which provides sufficient current at a high enough voltage to illuminate the filament lamp.

Full instructions on the care, use and maintenance is provided with each Test Lamp.

Drummond Test Lamps are in use throughout the electrical industry and have proved their efficiency and reliability over many years. Approved by ECE Rec G9/6 and meet all requirements of the H&SE Guidance Note GS38.

PRODUCT RANGE

MTL7 Standard Model Range 80 - 500V

MTL7-A Range 10—110V
As MTL7 except lamp is 110V 15W and current limiting resistor is omitted.

MTL7-B Range 40—240V
As MTL7 except current limiting resistor is omitted.

MTL9 Range 80—500V
As MTL7 with an addition circuit parallel to the filament lamp. An ultra bright LED is visible on the moulded body. This circuit is independent of any filament lamp failure and will continue to show the presence of voltage. No additional maintenance is required and no modification is required in the way of use.

MTL9-C Range 80—500V
As MTL9 but with a test circuit enclosed in a small moulded case (45x25x20mm) mounted on the cable. The Tester indicates continuity in the test lamp circuit and warns of fuse or filament failure. The test ignores the presence of the LED circuit.