



## SPECIFICATION

**Maximum working voltage:** 500VAC, 750DC

**Voltage ranges:** 50, 100, 200, 400V AC/DC

**Range detection:** automatically

**Response Time:** <0.1s

**Frequency Range:** DC, 0-65Hz

**Test Current (500V AC/DC):**

MTL10 and MTL20 (switches not operated) <3.5mA

MTL20 with switches depressed 28mA @ 240VAC, 60mA @ 500VAC

**Temperature Range:** -10°C – +55°C

**Humidity:** max. 85% rel.H.

**Height above sea level:** up to 2000m

**Measurement Cat.:** CATIV 600V CATIII 1000V

**Pollution Degree:** 2

**Protection Degree:** IP67

**Compliance:** EN 61243-3, EN 61010

	MTL10	MTL20
<b>Weight packed</b>	0.32Kg	0.35Kg
<b>Dimension packed</b>	213x112x72mm	213x112x72mm

### MTL10

The MTL10 gives safe indication of voltage between 50V and 500V AC/DC. The robust design meets the recommendations of the Health and Safety Executive in their guidance notes on the electrician's test lamp (GS38) as well as complying with BS EN 61243-3 and BS EN 61010.

Both the lamp housing and the probe have a finger shield and insulated probe tip with only 4mm of exposed metal. A two layer double insulated cable with white inner insulation gives a clear warning of abrasion that might compromise the user's safety, and is resistant against, heat and oil. To enable use in most circumstances a right angled probe tip is supplied in addition to the two straight tips.

For maximum ease of use, the right angled probes can be rotated through 90, 180 and 270 degrees.

Four distinct bands of illumination, with a 360 viewing angle, provide indication of voltages above 50, 100, 200 and 400 volts even in bright sunlight. This allows accurate identification of potentially lethal voltages at 50V and enables the user to distinguish between 110V, 230V and phase to phase voltages in a 3 phase system.

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. Rev1 ©Martindale Electric Co. Ltd. 2010

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### MTL10

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### MTL20

In addition to the MTL10, the MTL20 incorporates two test buttons, one on the body of the unit and one on the probe. Simultaneous depression of both switches allows the unit to draw a high current, allowing the user to differentiate between potentially hazardous phantom voltages and hazardous persistent voltages.

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