



CAT IV
600V

Key features

- Four illuminated bands for 360° AC/DC voltage indication
- Simple and safe with no batteries or ranges
- High intensity long life LEDs
- Interchangeable GS38 probes
- Heavy duty double insulated cable with contrasting inner core to identify damage

Additional feature MTL20/MTL20B:

- Twin test buttons eliminate phantom voltages

Additional feature MTL20B:

- Blue LED lamp indication at 400V

	MTL10	MTL20/MTL20B
Self Powered	✓	✓
AC/DC Voltage Indication	✓	✓
360 Degree Viewing	✓	✓
LED Voltage Thresholds	50/120/230/400V	50/120/230/400V
Low Impedance Function		✓
Interchangeable probes	3	3

John Drummond test lamps have been designed to safely prove dead in all areas including CAT IV supply side applications. High intensity LEDs illuminate 4 distinct bands at different voltage thresholds to provide a 360° viewing angle even in bright sunlight. This allows accurate identification of potentially lethal voltages and distinguishes between 110V, 230V and phase to phase voltages.

The MTL20/MTL20B has a switchable low impedance mode to safely dissipate phantom voltages, the MTL20B has blue indication of 3-phase voltages. The test lamps are supplied with interchangeable test probes for safe and easy measurement in all types of application particularly where access is restricted. The right angled probe can be rotated through 90, 180 and 270 degrees and locked in position.

Safety features include finger guards and a two layer double insulated cable with contrasting inner sheath, making it easy to identify cable damage.



Keeping You Safe

Drummond MTL Series Test Lamps

Specifications

FUNCTION	MTL10	MTL20/MTL20B
ELECTRICAL		
Maximum working voltage	500V AC rms, 750V DC	
Nominal voltage threshold indications	50, 120, 230, 400V AC/DC rms	
Nominal voltage threshold tolerance	Conforms to BS EN 61243-3	
Range detection	Automatic	
Response time	<0.1s	
Frequency range	DC, 40-65Hz	
Test current (in)	<3.5mA at 500V AC rms, 750V DC	
Test current (switches operated)	-	approx. 28mA at 230V AC rms, DC approx. 60mA at 500V AC rms, DC
Duty ratio	30s ON (operated) / 240s OFF (recovery)	
ENVIRONMENTAL		
Temperature & humidity (operating & storage)	-10°C to 55°C, ≤ 85% R.H.	
Altitude	up to 2000m	
Pollution degree	2	
IP rating	IP64	
GENERAL		
Power	from circuit under test	
Dimensions	213(L) x 112(W) x 72(D) mm	
Weight	320g approx.	350g approx.
SAFETY		
	BS EN 61243-3 (2010)	
Conforms to	BS EN 61010-1 CAT IV 600V Class II, double insulation	
	Probe tips comply with GS38	
EMC		
Conforms to	BS EN 61326-1	
Recommended proving unit	440V – PD440 or PD440S	

Included

MTL10: 2 straight prods, 1 L-shaped prod and instruction manual
MTL20/MTL20B: 2 straight prods, 1 L-shaped prod and instruction manual

Related products

MTL10PD 400V test lamp, proving unit & combination carry case
MTL20PD 400V test lamp, proving unit & combination carry case

Martindale Electric Co. Ltd.
Metrohm House, 12 Imperial Park,
Imperial Way, Watford WD24 4PP.
T: 01923 441717 F: 01923 446900
www.martindale-electric.co.uk
sales@martindale-electric.co.uk

Ver. B2.2

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. © 2021 Martindale Electric Co. Ltd.