



Technical Data

MTL10
MTL20

MTL20/B MTL15

CAT IV
600V

CAT IV
1000V

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 features MTL15:

- Extended voltage indication to 690V
- Multiple probes included
- CAT IV 1000V safety rating

Additional features MTL20/B:

- Twin test buttons eliminate phantom voltages
- Blue LED lamp indication at 400V

	MTL10	MTL20/B	MTL15
Self Powered	✓	✓	✓
AC/DC Voltage Indication	✓	✓	✓
360 Degree Viewing	✓	✓	✓
LED Voltage Thresholds	50/100/200/400V	50/100/200/400V	50/230/400/690V
Low Impedance Function		✓	
Interchangeable probes	3	3	6

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 MTL15 has a CAT IV 1000V safety rating making it suitable for use in all installation categories and a higher 690V threshold. The MTL20 has a low impedance mode to safely dissipate phantom 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.

All models comply with the latest standard for voltage indicators, EN61243-3 which prohibits the use of fuses. Additional 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/B	MTL15
ELECTRICAL			
Maximum working voltage	500V AC rms, 750V DC		1000V AC/DC rms
Nominal voltage threshold indications	50, 120, 230, 400V AC/DC rms		50, 230, 400, 690V 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		<3.5mA at 1000V AC/DC rms
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.	320g approx.
SAFETY			
	BS EN 61243-3		
Conforms to	BS EN 61010-1 CAT IV 600V Class II, double insulation	BS EN 61010-1 CAT IV 1000V, Class II, double insulation	
	Probe tips comply with GS38		
EMC			
Conforms to	BS EN 61326-1		
Recommended proving unit	440V – PD440 or PD440S		690V – PD690 or PD690S

PD440S

Output voltage: 440V nominal
Output frequency: 50Hz nominal

Environmental

Operating temperature: -10°C to 40°C at max. 70% R.H.
Altitude: up to 2000m
Pollution degree: 2

General

Internal batteries: 6 x 1.5V, AA alkaline batteries (IEC LR6, NEDA 15A)
Dimensions: 150 x 80 x 35mm
Weight packed: 350g approx. with batteries
Includes: 6 x 1.5V AA alkaline batteries, instructions

MTL10PDS includes: 400V test lamp: 2 straight prods, 1 L-shaped prod and instruction manual, proving unit & hard carry case

MTL20PDS includes: 400V test lamp: 2 straight prods, 1 L-shaped prod and instruction manual, proving unit & hard carry case

Accessories

MTL2103 30mm straight probe, **MTL2106** 130mm straight probe,
MTL2107 130mm angled probe

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