

FOCUS

EXPERT

DT-300: EARTH AND CONTINUITY SPECIAL TESTER

Measure of the earth resistance, carried out by this device, is based on the so-called "fault loop" measuring principle.

The CATOHM™ DT-300 allows you to control by display on LCD screen:

- presence of voltage and conformity of the network,
- the position of the phase,
- the grounding effectiveness,
- the ground resistance value,
- check the continuity of metal grounds by sound signal.



Control on 2P+T socket with touchpad overextender.

- ① Total autonomy (without battery)
- ② Use on 2P+T socket or LV cabinet with cord
- ③ Instant display of the conformity on the two-colour screen (Red and Blue)
- ④ Measures the earth loop without tripping the circuit breakers: < 15 mA



LOW VOLTAGE DETECTORS



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

Detex™+
MS-918-L



IEC 61243-3:2015

EN 50110-1



Multifunctional LED
12 V / + range
12 V / - range.

Voltage LED display. for 24 to 900 V AC
(1000 DC).

Phase identification
light (unipolar).

Phase rotation detection check
(two-wire method).

Hazardous voltage light (> 50 V).
Information is displayed even if
batteries are discharged.

MS-918-L



Probes.



M-952325



Lighting lamp at the
measuring point.

BENEFITS

- Lighting unit.
- Phase rotation detection check (two-wire method).
- Voltage light for 12 to 900 V AC (1000 DC).

Accessories in option

Reference	Characteristics
M-87285	Carrying bag with belt loop
M-952325	Board hanger
M-762118	Ergonomic adapter



M-87285



Ergonomic adapter.

Reference												
	Voltage	Hz	Continuity	Protection	Class	Category IV	T°C	2 AAA batteries	Rotary Field	Suitable for standard 2P+T.	Lighting unit	Weight
MS-918-L*	12 - 900 V AC 12 - 1000 V DC	50/60 +/- 10 %	100 Ω	IP65 IK06	II	600 V	Use: -15 °C to +45 °C (class N)	1,5 V	•	19 mm	•	210

* Supplied without accessories.



Detection - Measurement / Low voltage detectors



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AC & DC LOW VOLTAGE DUAL POLE TYPE MS-918-L

The versatile MS-918-L provides operator with voltage detection (compliant with IEC 61243-3:2014) and additional functions such as continuity, phase rotation and phase detection.

Fitted with safety probes, the MS-918-L covers a wide voltage range from 12 to 900 V AC and 12 to 1 000 V DC.



- ① Robust and ergonomic.
With a protection (IP65) and a good impact resistance (IK06) the MS-918-L range is suitable for all environment.
- ② Wide range of use. Voltage detector from 12 to 900 V AC and 1000 V DC – CAT IV 600 V and CAT III-1000V.
- ③ Self-test function.
Enables full verification of the adequate unit functioning (batteries, cords, electronics).
- ④ LED display.





LOW VOLTAGE DETECTORS

DETEX™ 917-L AND 918-L VOLTAGE DETECTORS AND TESTERS

The Detex™ MS-917-L and 918-L are compliant with the IEC 61243-3 standard, in response to the requirements of the EN 50110-1 European standard.

Optical and acoustic signalling, suitable for indoor/ outdoor use. It enables to detect presence of voltage and:

- Checks voltage levels from 12 to 690 V AC, 750 V DC (MS 917-L) and from 12 to 900 V AC, 1 000 V DC (MS-918-L).
- Sound and light continuity for a non-live circuit (threshold of 200 Ω for MS-917-L and 100 Ω for MS-918-L),
- Unipolar phase identification,
- Search for the polarities of a DC circuit,
- Phase rotation by the two-wire method only for MS-918-L.

1 m long double-insulated flexible cords.



The configuration with both test lead points mounted on the detector allows for a 19 mm gap to reflect the standardized EU power sockets.

PRO

IEC 61243-3:2015

EN 50110-1



Detex™
MS-917-L



MS-917-L

BENEFITS

MS 917-L

- Test-lead points. Point \varnothing 2 mm and 19 mm lengths for socket contact.
- Hazardous voltage indicator light (> 50 V).
- Phase identification light (unipolar).
- Self test button.
- Completely compatible with the following socket types : C, D, E, F, K, N.



Reference						IV				
	Voltage	Hz	Continuity	Protection	Class	Category IV	T°C	2 AAA batteries	Suitable for standard 2P+T.	Weight
MS-917-L*	12-690 V AC 12-750 V DC	50/60 +/- 10 %	200 Ω	IP65 IK06	II	600 V	Use: -15 °C to +45 °C (class N)	1.5 V	19 mm	210

* Supplied without accessories.

DETEX™ MS-920-EX VOLTAGE DETECTOR AND TESTER

The Detex™ MS-920-EX is designed based on IEC 61243-3 standard, in response to the requirements of the EN 50110-1 European standard.

Sound and lighting equipment, suitable for indoor/ outdoor use.

It enables to detect absence of voltage and:



- Check of voltage levels > 50 V DC and AC,
- Up to 690 V AC and 950 DC,
- Continuity sound control for a non-live circuit (< 100 Ω),
- Unipolar identification of the phase,
- Search for the polarities of a DC circuit,
- Rotary field by the two-wire method.
- Resolution: 1 V
- Precision: ± 5 %

BENEFITS

- Test-lead points according to IEC 61010-031 Point Ø 2 mm and 19 mm lengths for socket contact.
- Three digit colour LCD screen display.
- Test button.
- Hazardous voltage indicator light when voltage > 50 V.
- Completely compatible with socket types: C, D, E, F, K, N.
- Lighting unit.


CONTACT PROBES FOR L.V. TESTER

Light and rigid contact probes for Detex™: MS-917-L, MS-918-L and MS-920-EX. Contact probes to be used as suspension hooks (MS-8014). Round tip contact (MS-8013).

Reference		
	Length (cm)	Weight
For installations and sidewalk boxes		
MS-8013	50	0.40
For overhead lines		
MS-8014	125	0.75

Delivered in storage bag 50 x 150 x 550 mm.



IEC 61243-3:2015 

EN 50110-1



Detex™
MS-920-EX



MS-920-EX



The configuration with both test lead points mounted on the detector housing allows for a 19 mm gap between points, enabling the simultaneous double contact for standardized sockets (2P+T, 10/16 A).



MS-8014

Hatch for storage of test probe.





LOW VOLTAGE DETECTORS



Polarity

Example of 24 V DC detection, display is **BLUE** because < 50 V.



Rotary Field indicator

Unipolar identification of the phase.

Hazardous voltage indicator light (> 50 V).

Example of detecting 230 V AC, displayed in **RED**.



M-952325
Board hanger provided on the back of the device.



M-87285



Lighting lamp at the measuring point.



MS-920-EX
storage configuration.



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Accessories in option:

Reference	Characteristics
M-87285	Carrying bag with belt loop
M-952325	Board hanger

Reference													
	Voltage	Hz	Continuity < 100 Ω	Protection	Class	Category IV	T°C	Display	2 AAA batteries	Rotary Field	Suitable for standard 2P+T.	Lighting unit	Weight
MS-920-EX*	12-690 V AC 12-950 V DC	50-60	200	IP65 IK06	II	600 V	Use: -15 °C to +55 °C (class N)	3 digits	1,5 V	•	19 mm	•	210

