



THORNE &  
DERRICK  
INTERNATIONAL

Thorne & Derrick

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www.powerandcables.com

## HAND STICK

For distance working 2 removable elements. Field of use: 1 000 V max.  
Ergonomic handle. Connecting test probe via standard socket.

Reference	Characteristics		
		Length (cm)	Weight
M-951143	Hand stick	80	0.24
M-952439	Extension	40	0.12

Delivered in storage bag.



## AC AND DC VOLTAGE CONTROLLER

### Application:

- Ergonomically optimized voltage tester, ideal for use in tight spaces thanks to its electrode extensions (250 mm and 500 mm).
- It provides a wide detection range for maximum nominal voltages: from 50 to 4 200 V DC and from 50 to 3 000 V AC.

### Features:

- Maximum nominal voltage: 3 500 V DC, 2 500 V AC.
- Detection voltage: 50 to 4 200 V DC, 50 to 3 000 V AC.
- Threshold voltage: 50 V +0, -10% (DC and AC).
- Permanent standby status mode (no on / off switch).
- Built in testing system (including the lead check).
- High brightness green LED to indicate the good status of your voltage detector and display the standby state (during 2 min).
- Frequency range: 50-60 Hz  $\pm 10\%$ .
- Relative humidity: 20% to 95%.
- Protection degree: IP40 / IK06.
- Double isolation class II.
- Conical test points: diameter 6 mm, length 19 mm.
- Delivered assembled.

### Accessories included:

1 set of peak test tip diameter 3 mm, length 19 mm.

Reference	Description		
		Dimension (mm)	Weight
MS-415	Voltage controller with storage bag. 2 contact electrodes extension (L: 250 and 500 mm)	550 x 160 x 50	0.78
MS-415-P	Voltage controller with telescopic probes. (Folded: 625 mm, deployed: 982 mm) and storage bag. Cable length : 2 500 mm, 1 set of peak test tip.	950 x 200 x 70	1.22
MS-415-P5	Same as MS-415-P with cable length : 5 000 mm.	950 x 200 x 70	1.5



MS-415

MS-415-P

EMC Directive 2014/30/EU

(EN 61 326-1, EN 62311

EN 61243-3 (partially)







## SAFETY TEST PROBES AND ACCESSORIES

### VOLTAGE TAKE-OFF PUNCH

The voltage take-off punch is able to make an insulated piercing on a low voltage wire to plug a measurement device. Steel pin. Insulated body. Female socket for safety test probe Ø 4 mm.

Reference	 (mm)	
	Clamping capacity	Weight
<b>MS-62</b>	Ø 5.6 - 14.4	54
<b>MS-63</b>	Ø 12 - 31	58




### LEAD SET FOR CHECKS ON L.V DISTRIBUTION BOARD

Earthing connection via alligator clip. Safety test probes with retractable sleeve. Female socket Standard 2P+T.

Reference	Characteristics
<b>M-952271</b>	Lead set for checks on L.V distribution board * L 0.80 cm
* For DT-300 and DT-170.	



### STORAGE BAG

Reference	 (mm)	Characteristics
	Dimensions	
<b>M-87285</b>	180 x 70 x 45	Storage bag with belt loop for MS-917, MS-918, MS-920
<b>M-87290</b>	200 x 120 x 50	Storage bag with strap for MS-152+
<b>M-87292</b>	250 x 200 x 70	Flexible storage bag with handle



M-87290



M-87285



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