

**DLRO test leads**  
**Comparing the range**

**Megger**<sup>®</sup>



# DLRO Test leads

## DLRO LEADS

Megger DLROs require test leads, two potential and two current, to make low-resistance measurements. In addition to individual current and potential lead sets, duplex leads that combine current and potential connections in one set are offered. A variety of C-clamps, Kelvin clips, fixed point, and helical spring-point leads are available in various lengths.

Megger supply a wide range of lead set options, from full lead set packages to individual terminations and leads with extensions cables for that longer reach.

For more information about each set, refer to the individual data sheets.

Visit our website [www.megger.com](http://www.megger.com) or speak with your Megger sales representative.

## DUPLEX TEST LEADS

Helical Spring Point Leads													
Cat. No.	Description	Length	In set	Used With									
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600	
242011-7		2 m	1			■	■	■	■				
242011-18		5.5 m	1			■	■	■	■				
242011-30		9 m	1			■	■	■	■				
242009-18	Spring Points and current Pushbutton Switch	5.5 m	1			■	■						

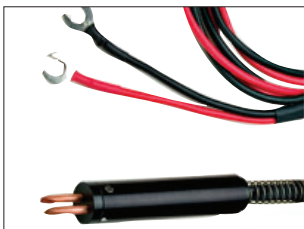


242011-7 Helical Spring Point Duplex Test Leads

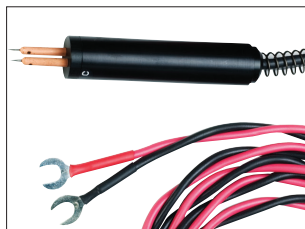
Handspikes with spring loaded tips that compress and rotate to ensure good contact. These hand spikes have both current and potential contacts.

Megger also supply a variant of Hand spikes with a switch and spring-loaded tips that compress and rotate to ensure good contact. Depressing the momentary contact switch will start the current flow.

Heavy duty fixed point hand spikes													
Cat. No.	Description	Length	In set	Used With									
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600	
242002-7		2 m	1	■		■	■	■	■				
242002-18		5.5 m	1	■		■	■	■	■				
242002-30		9 m	1	■		■	■	■	■				
242003-7	with replaceable tips	2 m	1	■		■	■	■	■				



242002-7 Straight Duplex Handspikes with fixed contacts.



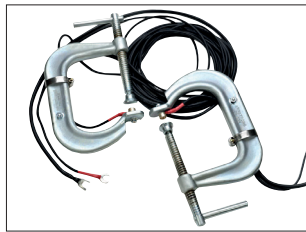
242003-7 Straight Duplex Handspikes with replaceable tips.

These hand spikes have both current and potential contacts. These contacts are fixed in a straight probe to get into those hard to reach spaces. Economical, light weight and built for durability. Spikes are not spring loaded.

Megger also supply a variant with fine-tipped replaceable points are ideal for smaller parts and surfaces. Both of the P and C points are replaceable and are mounted in easy-to-hold handles.

**Heavy Duty C-Clamps**

Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
242104-2-16	Clamp Capacity: 4 in. (10 cm)	5 m	2								■	■
242104-2-26	Clamp Capacity: 4 in. (10 cm)	8 m	2								■	■
242004-7	Clamp Capacity: 2 in. (5 cm)	2 m	2	■		■	■	■	■			
242004-18	Clamp Capacity: 2 in. (5 cm)	5.5 m	2	■		■	■	■	■			
242004-30	Clamp Capacity: 2 in. (5 cm)	9 m	2	■		■	■	■	■			



242104-2-16



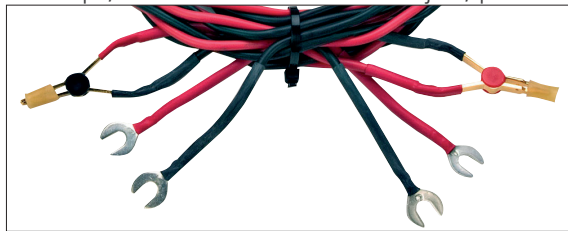
242004-18

Kelvin clamps, current passes through the C-clamp and screw thread, the potential passes through a four-point anvil insulated from the clamp.

**KELVIN CLIP TEST LEADS**

Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
241005-7*	Gold plated Jaw Capacity: 0.5 in. (1.3 cm)	2 m	2	■		■	■	■	■			
242005-7**	Silver Plated Jaw Capacity: 0.5 in. (1.3 cm)	2 m	2	■		■	■	■	■			
242006-7	Jaw Capacity: 1.5 in. (4 cm)	2 m	2	■		■	■	■	■			
242006-18	Jaw Capacity: 1.5 in. (4 cm)	5.5 m	2	■		■	■	■	■			
242006-30	Jaw Capacity: 1.5 in. (4 cm)	9 m	2	■		■	■	■	■			

Kelvin clips, current connection to one jaw, potential connection to other jaw. Easy connection to cables and small wires.



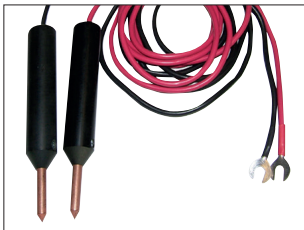
Cat. No. 241005-7

# DLRO Test leads

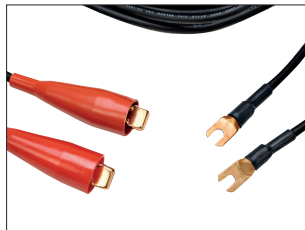
## INDIVIDUAL TEST LEADS

Potential Lead Set												
Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
242021-7	Hand spikes termination	2 m	1	■		■	■	■	■			
242021-18	Hand spikes termination	5.5 m	1	■		■	■	■	■			
242021-30	Hand spikes termination	9 m	1	■		■	■	■	■			

The individual current and potential leads sets should be used in combination with each other. The lead sets have separate



242021-7 - Potential spikes



242041-7 - Current clip

Current Clip Lead Set												
Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
242041-7	Terminal clips termination	2 m	1	■		■	■	■	■			
242041-18	Terminal clips termination	5.5 m	1	■		■	■	■	■			
242041-30	Terminal clips termination	9 m	1	■		■	■	■	■			

Current Clamp Lead Set												
Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
242144-16	Current Clip Clamps Lead Set	4.9 m	2									
242144-16	Current Clip Clamps Lead Set	4.9 m	2									



242144-16 - Current Clip Clamps Lead Set

This lead set is for current only and employs clamps with a notched anvil to ensure a solid connection. A potential lead set is also required to complete the Kelvin pair.

## High Current Lead Sets

### DLRO100 Leadsets High Current 200 A 600 V

Cat. No.	Description	Length	In set	Used With			
				DLRO100	DLRO200	DLRO200/115 V	DLRO600
1004-448	50sq.mm	5 m	3	■			
1004-449	50sq.mm	10 m	3	■			
1004-450	50sq.mm	15 m	3	■			
1005-634	Kelvin Clamp Lead Set	5 m	2	■			
1005-635	Kelvin Clamp Lead Set	10 m	2	■			
1005-636	Kelvin Clamp Lead Set	15 m	2	■			
1005-555	Wing Nut Terminal Adapters		2	■			



1005-555  
Wing Nut Terminal Adaptors



1005-634  
Kelvin Clamp Lead Set



1004-448 50sq.mm

### DLRO200/600 Leadsets

Cat. No.	Description	Length	In set	Used With			
				DLRO100	DLRO200	DLRO200/115 V	DLRO600
1008-028	2x 25 mm <sup>2</sup> current leads with clips 2x potential leads with clips	5 m	4		■	■	■
6220-756	2x 70 mm 2 current leads with clamps 2x potential leads with clips	10 m	4		■	■	■
6220-757	2x 70 mm 2 current leads with clamps 2x potential leads with clips	15 m	4		■	■	■
1008-029	2x 25 mm <sup>2</sup> current leads with clamps 2x potential leads with clips	5 m	4		■	■	■

Lead set consists of pair of flexible high current capacity leads, together with a separate pair of lightweight potential leads.

Current leads are fitted with heavy duty spring clamps. Jaw capacity of clamps: 2.4 in. (60 mm)

Potential leads fitted with smaller HD crocodile clips. Jaw capacity of clips: 0.9 in. (22 mm)



1008-028

## DLRO Test leads

### Wind Turbine Lightning Protection Test Lead Set

Specially designed for measuring resistance of lightning protection circuit between wind turbine blade tip to ground. These leads work in conjunction with the Duplex connect terminations.

This lead set is intended to measure the resistance of the lightning protection circuit of a wind turbine, either in part in a production environment, or fully assembled during commissioning, maintenance, or following repair. This lead set is designed to be connected to any instruments in the Megger 10 A DLRO range or the Megger BT51. **However, for outside use the DLRO10HD is recommended due to its robustness and high IP rating.**



1000-809 KC100

KC series test leads												
Cat. No.	Description	Length	In set	Used With								
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX	DLRO100	DLRO200	DLRO600
1001-249	KC30	1x 100 ft (30 m) 1x 16 ft (5 m)	2	■		■	■	■	■			
1001-248	KC60	1x 200 ft (60 m) 1x 16 ft (5 m)	2	■		■	■	■	■			
1000-809	KC100	1x 30 ft (100 m) 1x 16 ft (5 m)	2	■		■	■	■	■			

## DLRO Duplex connect lead set

Duplex connect test lead system for use with any Megger 10 A DLRO and BT51 instruments.

The Megger DLRO duplex connect four terminal test lead system is designed to provide the most cost effective and convenient way to provide the user with all of the test lead terminations and lead lengths required for the many different applications encountered in low resistance testing.



At the centre of this unique test lead system is a bespoke connector allowing terminations such as kelvin clips or duplex test probes to be changed as required. There are two connector versions, one being fitted with indicator LEDs that operate with the DLRO10 range of instruments.

### Duplex connect terminations

Cat. No.	Description	In set
1006-450	DP1-C Duplex connect probe	
1006-449	DTP-C Duplex connect twist probe	
1006-448	CP1-C Concentric duplex connect probe	
1006-447	KC1-C Heavy duty kelvin clip	
1006-451	KC2-C Insulated connect kelvin clip	



1006-450  
Connect probe



1006-451  
Insulated kelvin clip



1006-449  
Twist probe



1006-460  
Connect extension lead



1006-448  
Concentric probe



1006-447  
Kelvin clip

### Duplex connect leads

Cat. No.	Description	Length	In set	Used With					
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX
<b>Connect test leads with light</b>									
1006-456	TL1.5-CL	1.5 m				■	■	■	■
1006-458	TL3-CL	3 m				■	■	■	■
1006-459	TL6-CL	6 m				■	■	■	■
<b>Connect leads without light</b>									
1006-452	TL1.5-C	1.5 m				■	■	■	■
1006-454	TL3-C	3 m				■	■	■	■
1006-455	TL6-C	6 m				■	■	■	■
1007-023	TL3-C-BT51	3 m		■					
1007-024	TL6-C-BT51	6 m		■					
<b>Extension leads for use with Connect leads without light</b>									
1006-460	EL6-C	6 m		■		■	■	■	■

#### Connect test leads with light

1006-456	TL1.5-CL	1.5 m				■	■	■	■
1006-458	TL3-CL	3 m				■	■	■	■
1006-459	TL6-CL	6 m				■	■	■	■

#### Connect leads without light

1006-452	TL1.5-C	1.5 m				■	■	■	■
1006-454	TL3-C	3 m				■	■	■	■
1006-455	TL6-C	6 m				■	■	■	■
1007-023	TL3-C-BT51	3 m		■					
1007-024	TL6-C-BT51	6 m		■					

#### Extension leads for use with Connect leads without light

1006-460	EL6-C	6 m		■		■	■	■	■
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1006-454  
Connect leads without light



1006-459  
Connect test leads with light

### Duplex connect leads sets with

Cat. No.	Description	Length	In set	Used With					
				BT51	BT51 120 V	DLRO10	DLRO10X	DLRO10HD	DLRO10HDX
1006-442	DH1-C Duplex connect twist probe DTP-C	3 m	2	■	■				
1006-443	DH2-C Duplex connect twist probe DTP-C	6 m	1	■	■				
1006-444	DH4-C Duplex connect probe DP1-C	1.5 m	2			■	■	■	■
1006-445	DH5-C Duplex connect probe DP1-C	3 m	2			■	■	■	■
1006-446	DH6-C 600 V Rated Duplex Hand spikes	1.5 m				■	■	■	■
1006-462	KL1-C Kelvin clip lead sets KC1-C	3 m	2			■	■	■	■
1006-461	KL2-C Insulated Kelvin clip KC2-C	3 m	2			■	■	■	■



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