

# TEST LEADS

## Digital Low Resistance Ohmmeters



- Extensive range of lead types and lengths from the leader in low resistance testing
- Wide variety of Kelvin clips, C-clamps, dual points and individual leads
- Used with a multitude of Megger DLROs from 2A to 600A output
- Contacts, bonding, battery straps, graphite electrodes, motor windings, and many more applications



An Interworld Highway, LLC Company

Megger, the leader in low resistance testing, uses a Kelvin-style test method to accurately take low resistance readings. In order to take accurate readings, the potential measurement is taken inside of the current injection

points. Therefore, either a current lead in tandem with a separate potential lead or a “duplex” lead set is required. A wide variety of lead sets is available and it may be possible to design custom leads to suit special applications.

### INDIVIDUAL TEST LEADS

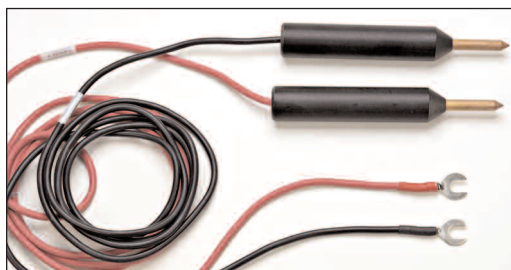
#### Potential Lead Set

Used in combination with 242041 current leads. Separates the C and P connections

**Termination:** Hand spikes

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002, 247100, 247101, BT51

| Cat. No.  | Length        |
|-----------|---------------|
| 242021-7  | 7 ft (2 m)    |
| 242021-18 | 18 ft (5.5 m) |
| 242021-30 | 30 ft (9 m)   |



Cat. No. 242021-7

#### Current Clip Lead Set

Used in combination with 242021 potential leads. Separates the C and P connections

**Current:** 10 A

**Termination:** Terminal clips

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002, 247100, 247101, BT51

| Cat. No.  | Length        |
|-----------|---------------|
| 242041-7  | 7 ft (2 m)    |
| 242041-18 | 18 ft (5.5 m) |
| 242041-30 | 30 ft (9 m)   |



Cat. No. 242041-18

**Current Clip 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.

**Current:** 100 A

**Termination:** Clamps

**Will fit:** 247100, 247101

| Cat. No.  | Length        |
|-----------|---------------|
| 242144-16 | 16 ft (4.9 m) |
| 242144-26 | 26 ft (8 m)   |



Cat. No. 242144-16

**DUPLEX TEST LEADS**

**Helical Spring Point Leads**

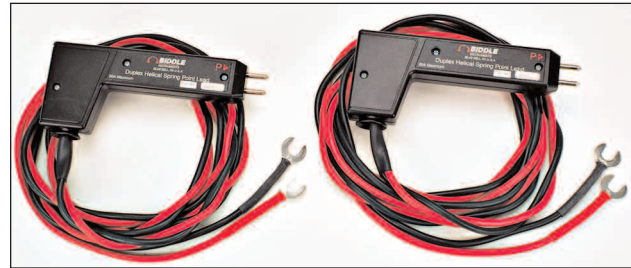
Handspikes with spring loaded tips that compress and rotate to ensure good contact. Spacing between P and C probe tips is 0.4 in. (10 mm).

**Current:** 10 A

(Maximum current capacity 20 A for C/N EV6111-022, 10 A for longer lead lengths)

**Will fit:** 247100, 247101, DLRO10HD, DLRO10, DLRO10X

| Cat. No.   | Length        |
|------------|---------------|
| 242011-7   | 7 ft (2 m)    |
| 242011-18  | 18 ft (5.5 m) |
| 242011-30  | 30 ft (9 m)   |
| EV6111-022 | 8 ft (2.5 m)  |
| EV6111-023 | 20 ft (6 m)   |



Cat. No. 242011-7

**Duplex Hand Spikes**

Duplex hand spikes with spring loaded tips. One probe has LEDs that operate with the DLRO10 for connection indication and live warning. The DLRO10X can indicate test limit pass/fail. Spacing between P and C probe tips is 0.23 in. (6 mm).

**Current:** 10 A

**Will fit:** DLRO10HD, DLRO10, DLRO10X

| Cat. No.   | Length       |
|------------|--------------|
| EV6111-503 | 4 ft (1.2 m) |
| EV6111-517 | 8 ft (2.5 m) |
| EV6111-518 | 4 ft (1.2 m) |



Cat. No. EV6111-503 (DH4)

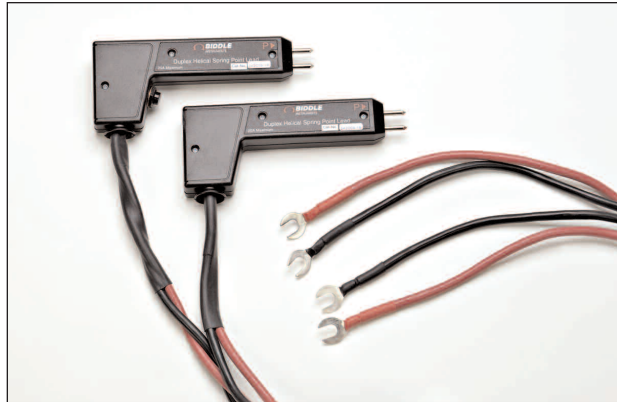
**Helical Hand Spikes with Spring Points and Current Pushbutton Switch**

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. The spacing between P and C probes is 0.4 in. (10 mm).

**Current:** 10 A

**Will fit:** DLRO10, DLRO10X, 247000, 247001, 247002, 247101, 247102

| Cat. No.  | Length        |
|-----------|---------------|
| 242009-18 | 18 ft (5.5 m) |



Cat. No. 242009-18

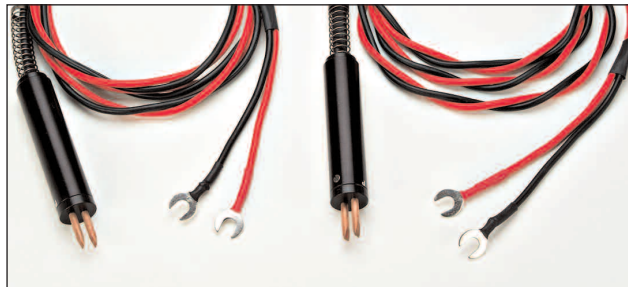
**Heavy Duty Fixed Point Hand Spikes**

Economical, light weight and built for durability. Spikes are not spring loaded. Spacing between C and P probe tips is 0.35 in. (9 mm).

**Current:** 10 A

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002, 247100, 247101, BT51

| Cat. No.  | Length        |
|-----------|---------------|
| 242002-7  | 7 ft (2 m)    |
| 242002-18 | 18 ft (5.5 m) |
| 242002-30 | 30 ft (9 m)   |



Cat. No. 242002-7

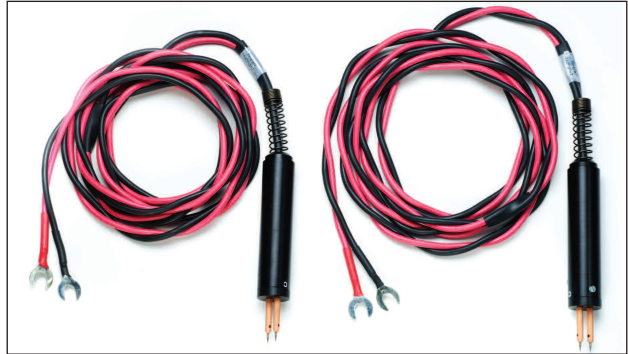
**Replaceable Needle Points**

These 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.

**Current:** 10 A

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002

| Cat. No. | Length     |
|----------|------------|
| 242003-7 | 7 ft (2 m) |



Cat. No. 242003-7

**Heavy Duty C-Clamps**

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

**Current:** 100 A

**Clamp Capacity:** 4 in. (10 cm)

**Will fit:** 247100, 247101 DLRO200\*, DLRO600\* (\*only to 100 A)

| Cat. No.    | Length      |
|-------------|-------------|
| 242104-2-16 | 16 ft (5 m) |
| 242104-2-26 | 26 ft (8 m) |



Cat. No. 242104-2-16

**Heavy Duty C-Clamps (continued)**

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

**Current:** 10 A

**Clamp Capacity:** 2 in. (5 cm)

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002, 247100, 247101, BT51

| Cat. No.  | Length        |
|-----------|---------------|
| 242004-7  | 7 ft (2 m)    |
| 242004-18 | 18 ft (5.5 m) |
| 242004-30 | 30 ft (9 m)   |



Cat. No. 242004-18

**Kelvin Clips**

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

**Current:** 10 A

**Will fit:** DLRO10HD, DLRO10, DLRO10X, 247000, 247001, 247002, 247100, 247101, BT51

| Cat. No.   | Length        | Jaw Capacity     |
|------------|---------------|------------------|
| 241005-7*  | 7 ft (2 m)    | 0.5 in. (1.3 cm) |
| 242005-7** | 7 ft (2 m)    | 0.5 in. (1.3 cm) |
| 242006-7   | 7 ft (2 m)    | 1.5 in. (4 cm)   |
| 242006-18  | 18 ft (5.5 m) | 1.5 in. (4 cm)   |
| 242006-30  | 30 ft (9 m)   | 1.5 in. (4 cm)   |

\*Gold plated

\*\*Silver plated



Cat. No. 241005-7

**High Current Lead Sets**

Lead set consists of pair of flexible high current capacity (600 A cont.) 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)

**Current:** 600 A

**Termination:** Clamps

**Will fit:** DLRO200, DLRO600

| Cat. No.   | Length       |
|------------|--------------|
| EV6220-755 | 16 ft (5 m)  |
| EV6220-756 | 33 ft (10 m) |
| EV6220-757 | 50 ft (15 m) |
| EV6220-787 | 16 ft (5 m)  |



Cat. No. EV6220-755

**Wind Turbine Lightning Protection Test Lead Set**

Specially designed for measuring resistance of lightning protection circuit between wind turbine blade tip to ground.

*(Available through Megger U.S. Authorized Stocking Distributors.)*

**Current:** 10 A

**Will fit:** DLRO10, DLRO10X, BT51

**Cat. No.** 1000-809

**Termination**

Kelvin clip and hook ends on HD cable reel with friction brake

DH2 lead with duplex hand spikes and hook end



Cat. No. 1000-809

**Length**

328 ft (100 m)

16 ft (5 m)

**Ordering Information for Individual Test Leads**

| Cat. No.  | Type      | Termination    | Length         | Current | DLRO10HD | DLRO10 | DLRO10X | 247000 | 247001 | 247002 | 247100 | 247101 | DLRO200 | DLRO600 | BT51 |
|-----------|-----------|----------------|----------------|---------|----------|--------|---------|--------|--------|--------|--------|--------|---------|---------|------|
| 242021-7  | Potential | Hand Spikes    | 7 ft. (2 m)    | N/A     | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242021-18 | Potential | Hand Spikes    | 18 ft. (5.5 m) | N/A     | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242021-30 | Potential | Hand Spikes    | 30 ft. (9 m)   | N/A     | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242041-7  | Current   | Terminal Clips | 7 ft. (2 m)    | 10 A    | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242041-18 | Current   | Terminal Clips | 18 ft. (5.5 m) | 10 A    | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242041-30 | Current   | Terminal Clips | 30 ft. (9 m)   | 10 A    | ■        | ■      | ■       | ■      | ■      | ■      | ■*     | ■*     |         |         | ■    |
| 242144-16 | Current   | Clamps         | 16 ft (5 m)    | 100 A   |          |        |         |        |        | ■      | ■      | ■      |         |         |      |
| 242144-26 | Current   | Clamps         | 26 ft (8 m)    | 100 A   |          |        |         |        |        | ■      | ■      | ■      |         |         |      |

**Ordering Information for Duplex Test Leads**

| Cat. No.    | Termination   | Length   | Current      | DLRO10HD | DLRO10 | DLRO10X | 247000 | 247001 | 247002 | 247100 | 247101 | DLRO200 | DLRO600 | BT51 |
|-------------|---|--|--------------|----------|--------|---------|--------|--------|--------|--------|--------|---------|---------|------|
| 242011-7    | Helical Hand Spikes with Spring Points                                | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         |      |
| EV6111-022  |   | 8 ft. (2.5 m)                                  | 10 A         | ■        | ■      | ■       |        |        |        |        |        |         |         | ■    |
| 242011-18   |   | 18 ft. (5.5 m)                                 | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         |      |
| EV6111-023  |   | 20 ft. (6 m)                                   | 10 A         | ■        | ■      | ■       |        |        |        |        |        |         |         | ■    |
| 242011-30   |   | 30 ft. (9 m)                                   | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■      | ■      | ■       |         |      |
| EV6111-503* | Duplex Hand Spikes  | 4 ft. (1.2 m)                                  | 10 A         | ■        | ■      | ■       |        |        |        |        |        |         |         |      |
| EV6111-517* |   | 8 ft. (2.5 m)                                  | 10 A         | ■        | ■      | ■       |        |        |        |        |        |         |         |      |
| EV6111-518* |   | 4 ft. (1.2 m)                                  | 10 A         |          | ■      | ■       |        |        |        |        |        |         |         |      |
| 242009-18   | Helical Hand Spikes with Spring Points and Current Push-button Switch | 18 ft. (5.5 m)                                 | 10 A         |          | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         |      |
| 242002-7    | Fixed-Point Hand Spikes   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242002-18   |   | 18 ft. (5.5 m)                                 | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242002-30   |   | 30 ft. (9 m)                                   | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242003-7    | Replaceable Needle Points   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      |        |        |         |         |      |
| 242104-2-16 | 2 in. (5 cm) Heavy-Duty C-Clamps                                      | 16 ft. (5 m)                                   | 100 A        |          |        |         |        |        |        | ■      | ■      | ■       |         |      |
| 242104-2-26 |   | 26 ft. (8 m)                                   | 100 A        |          |        |         |        |        |        | ■      | ■      | ■       |         |      |
| 242004-7    |   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242004-18   |   | 18 ft. (5.5 m)                                 | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242004-30   | 30 ft. (9 m)  | 10 A   | ■            | ■        | ■      | ■       | ■      | ■      | ■***   | ■***   |        |         | ■       |      |
| 242165S     | C-Clamp + Hand Spikes   | 165+7 ft. (50+2 m)                             | 10 A         |          |        |         | ■      | ■      | ■      | ■***   | ■***   |         |         |      |
| 241005-7*   | 0.5 in. (1.3 cm) Kelvin Clips   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242005-7**  |   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242006-7    | 1.5 in. (4 cm) Kelvin Clips   | 7 ft. (2 m)                                    | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242006-18   |   | 18 ft. (5.5 m)                                 | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| 242006-30   |   | 30 ft. (9 m)                                   | 10 A         | ■        | ■      | ■       | ■      | ■      | ■      | ■***   | ■***   |         |         | ■    |
| EV6220-755  | Current Leads with HD Clips and Separate Potential Leads with Clips   | 16 ft. (5 m)                                   | 600 A        |          |        |         |        |        |        |        |        |         | ■       | ■    |
| EV6220-756  |   | 33 ft. (10 m)                                  | 600 A        |          |        |         |        |        |        |        |        | ■       | ■       |      |
| EV6220-757  |   | 50 ft. (15 m)                                  | 600 A        |          |        |         |        |        |        |        |        | ■       | ■       |      |
| EV6220-787  |   | 16 ft. (5 m)                                   | 600 A        |          |        |         |        |        |        |        |        | ■       | ■       |      |
| 1000-809    | Kelvin clip and hook ends on HD cable reel with friction brake        | 328 ft. (100 m)                                | 10 A         |          | ■      | ■       |        |        |        |        |        |         |         | ■    |
| (See Note)  |   | DH2 leads with duplex hand spikes and hook end | 16 ft. (5 m) | 10 A     |        | ■       | ■      |        |        |        |        |         |         | ■    |
| 1001-035    | DH7 duplex handspikes   | 8 ft (2.5 m)                                   | 600 V        | ■        |        |         |        |        |        |        |        |         |         |      |

\* Gold plated

\*\* Silver plated

\*\*\*Can be used with the 10A module

Note: Cat. No. 1000-809 is available through Megger U.S. Authorized Stocking Distributors.



---

**UK**  
Archcliffe Road, Dover  
CT17 9EN England  
T +44 (0) 1 304 502101  
F +44 (0) 1 304 207342  
UKsales@megger.com

**UNITED STATES**  
4271 Bronze Way  
Dallas, TX 75237-1019 USA  
T 1 800 723 2861 (USA only)  
T +1 214 333 3201  
F +1 214 331 7399  
USsales@megger.com

**OTHER TECHNICAL SALES OFFICES**  
Täby SWEDEN, Norristown USA,  
Sydney AUSTRALIA, Toronto CANADA,  
Trappes FRANCE, Kingdom of BAHRAIN,  
Mumbai INDIA, Johannesburg SOUTH  
AFRICA, and Chonburi THAILAND

**ISO STATEMENT**  
Registered to ISO 9001:2000 Cert. no. 10006.01  
**DLRO\_TL\_DS\_USen\_V04**  
www.megger.com  
Megger is a registered trademark