

## DLRO100

### Accessories Important Information

- |                                                        |                                                |
|--------------------------------------------------------|------------------------------------------------|
| DE - Zubehör wichtige informationen                    | CN - 配件重要信息                                    |
| FR - Informations importantes à propos des accessoires | JA - 付属品についての重要情報                              |
| NL - Belangrijke informatie over accessoires           | KO - 액세서리 중요 정보                                |
| ES - Información importante acerca de los accesorios   | HU - Tartozékokra vonatkozó fontos információk |
| IT - Informazioni importanti sugli accessori           | RO - Informații importante despre accesorii    |
| PT - Informações Importantes sobre Acessórios          | RU - Принадлежности. важная информация         |
| AR - معلومات مهمة عن الملحقات                          | FI - Tärkeitä tietoja lisävarusteista          |
| TR - Aksesuarlar hakkında önemli bilgiler              | NO - Viktig informasjon om tilbehøret          |
| CZ - Důležité informace k příslušenství                | SV - Viktig information om tillbehör           |
| PL - Ważne informacje dotyczące akcesoriów             |                                                |
| SK - Dôležité informácie týkajúce sa príslušenstva     |                                                |



**This document provides important safety information. Keep with the accessories, DO NOT DISCARD !**

Megger provides a range of accessories and lead sets for use with DLRO100 low resistance ohmmeters. The design of the lead sets is intended to facilitate connection to a variety of de-energised systems when making low resistance measurements. In all cases it is the responsibility of the user to employ safe working practices and verify that the system is safe before connection.

#### NOTE:

**THE INSTRUMENT AND ACCESSORIES MUST BE USED ONLY BY SUITABLY TRAINED AND COMPETENT PERSONS**

#### Safety Warnings

Safety Warning must be read and understood before use.

- The circuit under test must be switched off, de-energised, isolated and checked to be safe before test connections are made. Make sure the circuit cannot be re-energised whilst the instrument is connected.
- Circuit connections must not be touched during a test.
- The instrument and test leads, including crocodile clips, must be in good order. They should be clean and with no broken or cracked insulation.
- The instrument and leadset must not be used if any part is damaged.
- If the accessories are used in a manner not specified by the manufacturer, the protection provided by the accessories may be impaired.
- Also refer to safety warnings relevant to the particular leadset.

#### Symbols on the accessories



Caution: risk of danger, refer to user instructions



Caution: risk of electric shock



Caution: hot surface



Not CAT rated



Not CAT rated

#### Installation Category Definitions:

**Voltage** - The rated measurement connection voltage is the maximum line to earth voltage at which it is safe to connect.

**CAT IV** - Measurement category IV: Equipment connected between the origin of the low-voltage mains supply and the distribution panel.

**CAT III** - Measurement category III: Equipment connected between the distribution panel and the electrical outlets.

**CAT II** - Measurement category II: Equipment connected between the electrical outlets and the user's equipment.

• Measurement equipment may be safely connected to circuits at the marked rating or lower. The connection rating is that of the lowest rated component in the measurement circuit.

**Environmental conditions unless specified otherwise:**

For indoor or outdoor use.

**Pollution degree:**

3

**Operating Temperature:**

-20°C to 50°C

**Storage Temperature:**

-30°C to 70°C

**Humidity:**

< 85% R.H.  
non-condensing

**Safety:**

IEC61010

#### DC Clamp



##### Application notes:

To facilitate the Dual/Ground™ feature this DC clamp measures the current lost in the ground connections to compensate the selected current.

**Part number:** 1005-622  
**Dimensions:** 90 x 232 x 32 mm  
**Clamp opening:** 51 mm diameter or 24 x 60 mm busbar

**Number in set:** 1  
**Pollution degree:** 2  
**Not for use in wet conditions**  
**CAT rating:** CAT IV 300 V up to 4000 m, CAT III 1000 V CAT IV 600 V up to 2000 m

**Operating ambient:** 0 °C ~ 50 °C, < 75% R.H.

**Storage temperature:** -20 °C ~ 60 °C, < 80% R.H.

#### Kelvin Lead Set



**Application notes:** Current and potential connections are combined into this single clamp arrangement enabling a single connection for ease of use.

##### Safety Warning

Disconnect current and potential leads from instrument before adjusting the clamp.

**Part number:** 1005-634  
1005-635  
1005-636

**Lead length:** 5 m  
10 m  
15 m

##### Clamp

**Dimensions:** 205 x 198 x 50 mm  
**Clamp opening:** 45 mm  
**Clamp extended:** 73 mm

##### Number in set:

3

##### Current rating:

220 A dc

##### CAT rating:

CAT IV 300 V up to 4000 m  
CAT IV 600 V ac / 500 V dc up to 2000 m

UK patent GB2512717 relates to this product. Patent rights have been sought in other territories. International patent application WO2015/121631 is pending.

#### Lead Set Adaptors



##### Application notes:

Connect your own DLRO100 leads or bespoke current leads and potential leads to the DLRO100 using these adaptors.

##### Safety warning

The terminal adaptors cannot in any circumstance be relied on to protect the user from live systems and are not CAT rated.

It is the user's responsibility to ensure current leads are suitably current rated.

Do not short circuit the adaptors during test.

High current test leads shall be a minimum of three milliohm resistance.

**Part number:** 1008-604  
**Dimensions:** Current Terminal Ø25mm x 105mm  
Potential Terminal 30mm x 56mm

##### Number in set:

3

##### Current rating:

100 A dc

##### Voltage rating:

30 V dc

##### CAT rating:

Not CAT rated.

#### Standard Lead Set



**Application notes:** Individual current and potential clips enable testing where separation is required. The potential clips have interchangeable crocodile clips and pencil probes for testing multiple applications.

##### Safety Warning

Disconnect current lead from instrument before adjusting the clamp.

**Part number:** 1004-448  
1004-449  
1004-450

**Lead length:** 5 m  
10 m  
15 m

##### Clamp

**Dimensions:** 205 x 198 x 50 mm  
**Clamp opening:** 45 mm  
**Clamp extended:** 73 mm

##### Potential Clip

**Clip dimensions:** 93 x 51 x 23 mm  
**Clip opening:** 40 mm

##### Number in set:

5

##### Current rating:

220 A dc

##### CAT rating:

CAT IV 300 V up to 4000 m  
CAT IV 600 V ac / 500 V dc up to 2000 m

UK patent GB2512717 relates to this product. Patent rights have been sought in other territories. International patent application WO2015/121631 is pending.

#### Terminal Adaptors



##### Application notes:

Connect your own DLRO200/DLRO600 leads or bespoke current leads to the DLRO100 using these wing nut operated adaptors.

##### Safety warning

The terminal adaptors cannot in any circumstance be relied on to protect the user from live systems and are not CAT rated.

It is the user's responsibility to ensure current leads are suitably current rated.

Do not short circuit the adaptors during test.

High current test leads shall be a minimum of three milliohm resistance.

**Part number:** 1005-555  
**Dimensions:** 91 x 89 x 70 mm

##### Number in set:

2

##### Current rating:

100 A dc

##### Voltage rating:

30 V dc

##### CAT rating:

Not CAT rated