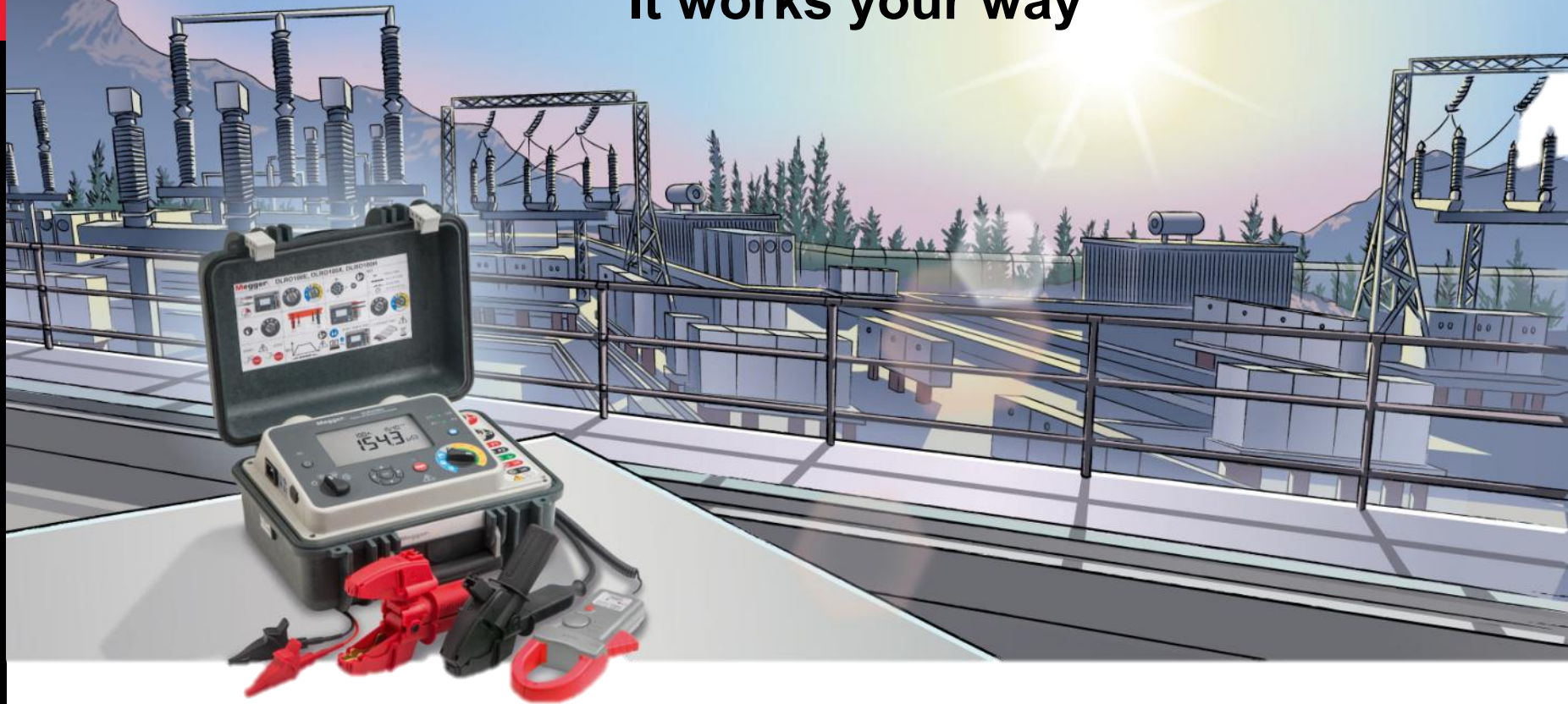


# Discover the New Megger DLRO100 “It works your way”



# User Focused

## ■ User needs:

- Reliable test results
- Always ready to test / flexibility
- Rugged test leads
- Lightweight and portable



## ■ The DLRO100 provides:-

- Constant, smooth DC current
- Lightweight 100A – battery & AC
- High noise immunity
- IP54 operational
- **CAT IV 600V**



# The new DLRO100 range – 3 models

## 1. DLRO100E

- Man, Auto, Cont.
- 100A, 50A, 10A & custom
- Battery option

## 2. DLRO100X

- Memory – USB dl - time & date stamp
- Dual Ground
- Battery option

## 3. DLRO100H

- Bluetooth for data transfer
- Remote operation via USB
- Battery option



# DLRO100 - Applications

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- Commissioning new installations
  - IP54 for outside working
- Circuit breaker contacts – Low, medium & high voltage
  - Controlled ramp up and down – regulated
  - Dual ground – testing with safety grounds in place
- Bus bar testing
  - Safety provided by CATIV 600V
- Detecting manufacturing defects – welded joints/connections
  - Fast testing in auto mode
- Regular maintenance testing:
  - Switchgear
  - Cables
  - HV Installations
  - Railway lines and conductor rails

**It is versatile**

# What makes the DLRO100 special?

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# What makes the DLRO100 special?

USP 1

## ■ High noise immunity

- Stable readings provide confidence
- Key in making accurate repeatable measurements
- 100mV differential and 8V common mode



Needs to work in a noisy substation!

# What makes the DLRO100 special?

USP 2

- Li-ion battery – will keep you testing
  - Operates from an AC source if the battery is flat
  - Battery life of 2 x 10 minute with 100 A continuous
  - Li-ion battery technology
    - Certified for air transportation
    - Off position is a real switch
    - User changeable
    - Half hour charge provides 50 x 5s tests at 100A on 100 $\mu\Omega$



Charge time

What? -  
NO AC!



# What makes the DLRO100 special?

USP 3

- CAT IV 600V rated to 2000m
- CAT IV 300V rated to 4000m



Working in hazardous environments?

- IEC-61010-031 leads to 2000m altitude
- CAT rating is on ALL terminals
- Protected to 600V between ALL terminals
- Isolated – so ground connection not for instrument safety
- Ground instrument to detect connection live voltages

Must be Safe !

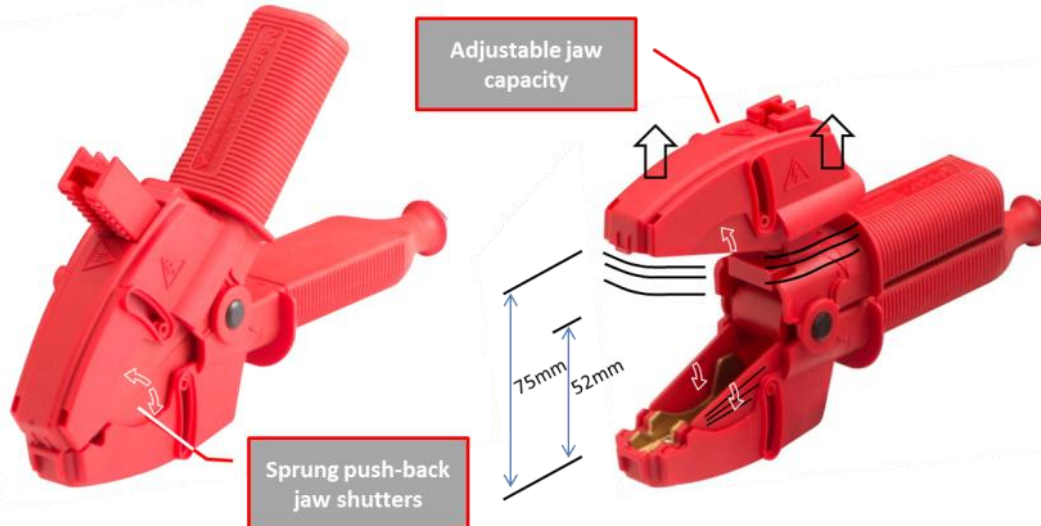


# What makes the DLRO100 special?

USP 4

**New unique 200A rated clip with sliding jaw**

Touch proof design with full compliance with IEC 61010-031



Supplied on separate current clip or kelvin clip test lead sets

Clamps must be rugged!

# What makes the DLRO100 special?



## ■ Operational IP54

- Operate in the rain (or snow.. )
- Always ready to test
- Unique air vent



## ■ Also has TN, positive, transflective display



During field trials in  
the sun in Dubai



Must be  
reliable!

# DLRO100 – USP Benefits

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- **Customer benefits – from the USPs**
  - **Stable measurements in HV environments**
    - Noise immunity with averaging filters
  - **Extended use and fast charging**
    - Li-Ion battery
  - **Reliability in dusty or wet environments**
    - Operational IP54
  - **Safe operation in HV environments**
    - CATIV 600V safety to 2000m altitude
  - **Versatile clamp - enables a good connection**
    - Tough adjustable clamp
  - **Test where you could not easily test before**
    - Lightest battery & AC 100A unit

# DLRO100 – DSP Benefits

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## ■ Distinctive selling features and benefits

- Simple keypad and rotary switches
  - Simple and intuitive to use
  - Time saving
- Smooth DC output
  - Will not trip circuit breakers
- High accuracy
  - Confidence across the meas. Range
  - $10 \mu\Omega$  at 100A =  $\pm (0.2\% + 0.2 \mu\Omega)$  typ
- Dual ground
  - Test with both sides of the CB grounded
- Configurable tests
  - Customer can specify test parameters
- High duty cycle
  - Extended high current output
  - 3 x 10 min on line supply
- Large clear display - backlit
  - Easy to use in all light conditions
- Test results storage
  - Manual and automatic recording of test results
  - Eliminate human error and save time

# DLRO100 – Portfolio fit



## DLRO10

100uA to 10A  
0.1uΩ to 1999.9Ω  
Auto ranging  
1A Inductive  
100mA Immunity  
Around neck  
0.25W limited ranges  
600V Protected  
Auto start on contact

4 test modes



## DLRO10X

100uA to 10A  
0.1uΩ to 1999.9Ω  
Auto ranging  
1A Inductive  
100mA Immunity  
Around neck  
0.25W limited ranges  
600V Protected  
Auto start on contact  
Manual range select

5 test modes  
Test limit setting  
Result storage  
Real time  
Memos



## DLRO10HD

100uA to 10A  
0.1uΩ to 2500.0Ω

10A Inductive  
100mA Immunity  
Floor or bench  
0.25W limited ranges  
600V Protected  
Auto start on contact  
Manual range select  
5 test modes  
High compliance ranges  
High IP rating  
Mains operation



## DLRO100

**10A to 100A**  
**0.1uΩ to 2Ω**  
**Variable output**  
**Smooth DC**  
**IP54 Operational**  
**Dual ground**  
**CAT IV 600V**  
**Up to 3v compliance**  
**Result storage**  
**3 test modes:**  
**Manual**  
**Automatic**  
**Continuous**



## DLRO200

10A to 200A  
0.1uΩ to 999.9mΩ  
Variable output  
Result storage  
Memos  
Test limit setting  
Real time  
3 test modes



## DLRO600

10A to 600A  
0.1uΩ to 999.9mΩ  
Variable output  
Result storage  
Memos  
Test limit setting  
Real time  
3 test modes  
60s at 600A

# DLRO100 – Accessories

- Test leads ordered separately to suit requirements
- Lengths: 15ft, 30ft, 45ft
- Adaptor for existing DLRO200 leads



DLRO200 Lead Adaptor



Standard Lead Set



Kelvin Lead Set



DC Clamp  
Dual Ground



Discover the New Megger DLRO100  
“It works your way”

