



DRM-10A

10 ampere high precision micro ohmmeter

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High precision digital micro-ohmmeter

The DRM-10A is a lightweight and portable micro-ohmmeter designed to measure very low resistances from $0.01 \mu\Omega$ to 200Ω . It is the most accurate in its category.

ADVANTAGES

- ⚡ Much lighter and handier than other equipment in its category
- ⚡ Shock resistant, it is suitable for all types of applications: work site or laboratory
- ⚡ The LCD display is equipped with a backlight to allow work in any conditions
- ⚡ Weak current injection for applications that require small measurement contacts
- ⚡ Many accessories are available for your application such as exothermic welding (Cadweld®), measurements on very small surfaces, etc...

OPERATION

The DRM-10A is suitable for both laboratory and field applications. Resistance measurements are calculated automatically. This equipment has become the number one choice for industries, products engineers, and manufacturers. Recognized as the most accurate and easy to use on the market, the DRM-10A is shock resistant and suitable for many applications.

The DRM-10A uses a four-pin resistance measurement system which consists of injecting a current with two cables connected at each end of the joint to be tested. Then, the cables are installed which allow reading the voltage on each side of the part to be tested in order to measure the resistance. This eliminates any uncertainty linked to resistance of the contacts. The instrument is equipped with a microprocessor which eliminates gaps and parasite voltages. Thanks to its unique filtering system, the DRM-10A can be used in spite of the presence of intense magnetic fields.

APPLICATIONS

- ⚡ Quality control of smelting parts
- ⚡ Control of mechanical joints and high voltage welded joints
- ⚡ Control of exothermic joints (Cadweld®)
- ⚡ Control of electrodes for aluminum plants
- ⚡ Inspection of contacts, circuit breakers and power fuses

TECHNICAL SPECIFICATIONS

Measurement Range	0.01 $\mu\Omega$ to 200 Ω
Scales	20 $\mu\Omega$ to 200 Ω
Resolution	0.01 $\mu\Omega$
Operation temperature	-20°C to +50°C (-4°F to 122°F)
Storage temperature	-40°C to +50°C (-40°F to 122°F)
Humidity	0 to 95% non-condensed Submersible, rain proof
Autonomy	> 12 000 measurements at 10A (for a cable loop resistivity < 50m Ω). > 10 000 measurements, for the other currents.
Battery type	Six (6) 1.2V, 2.1Ah rechargeable "AA" NiMH
Charger	12V 1A adapter with sealed connector, available for 110V or 220V
Display	LCD 128 x 64, wide ranging temperatures 2.36 x 1.62 in. (60 x 41 mm) 2 back-lighting intensities (100%, 50%)
Size	203 x 114 x 51mm (8 x 4.5 x 2 inches)
Weight	0.86 kg (1.9 lbs)

HIGHLIGHTS

- ⚡ Uses the four point measuring method
- ⚡ Automatic current adjustment from 5mA to 10A
- ⚡ Automatic stop mechanism of the instrument after 2 min. in idle mode
- ⚡ Automatic stop mechanism of the backlighting system after 30 seconds
- ⚡ The LCD (Liquid Crystal Display) displays the results in letters that are easy to read
- ⚡ A set of standard connecting cables with alligator clips comes with the instrument

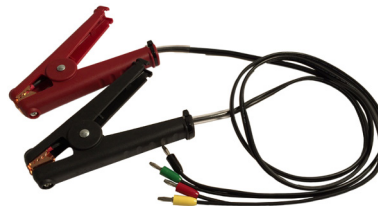
INCLUDED:

- DRM-10A instrument
- Set of standard cables and clips
- Battery charger
- Rechargeable batteries
- User Manual
- Calibration certificate



DRM-4012

Optional Exothermic welding test probe (Cadweld®)



DRM-4017-35

Optional Kelvin clamp kit



DRM-4013

Optional reference shunt



DRM-4015

Optional Double Hands probe kit



DRM-4017-19

Optional Kelvin clamp kit



DRM-403

Set of standard cables and clips (included)