



DRM-1A™

DRM-1A™ High precision digital micro-ohmmeter

The DRM-1A™ is a lightweight and portable micro-ohmmeter designed to measure very low resistances from $1 \mu\Omega$ 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 measurements on very small surfaces

OPERATION

The DRM-1A™ 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-1A™ is shock resistant and suitable for many applications.

The DRM-1A™ 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-1A™ 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 electrodes for aluminum plants
- ⚡ Inspection of contacts, circuit breakers and power fuses

TECHNICAL SPECIFICATIONS

Measuring range	1 $\mu\Omega$ to 200 Ω
Display	LCD display 128 x 64
Current	1A, 100mA, 5mA
Resolution	1 $\mu\Omega$
Power supply	Six AA alkaline batteries
Autonomy	> 4 000 measurements at 1A > 10 000 measurements for the other currents
Operation temperature	-20°C to 50°C (-4°F to 122°F)
Charging temperature	N/a
Storage temperature	-40°C to 50°C (-40°F to 122°F)
Humidity	0 to 95% non-condensing
Weight	0.86 kg (1.9 lbs)
Dimensions	203 x 114 x 51mm (8 x 4.5 x 2 inches)

HIGHLIGHTS

- ⚡ Uses the four point measuring method
- ⚡ Automatic current adjustment from 5mA to 1A
- ⚡ 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-1A™ instrument
- Set of standard cables and clips
- 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)