

PDRM-1A Best accuracy at low cost

PDRM-1A




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- Micro-ohmmeter for resistance from 1 micro ohm to 200 ohms
- The PDRM-1A micro-ohmmeter can be used to measure very low resistances which vary from 1 $\mu\Omega$ to 200 Ω .

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The PDRM-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 tension 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 PDRM-1A can be used in spite of the presence of intense magnetic fields.



APPLICATION EXAMPLE

Quality control of the ground settings and power bars The ground settings which the teams of network technicians use in off-tension work are their main guarantee of protection. It is of utmost importance for the manufacturers as well as for the users that the quality of these ground settings be checked on a regular basis. With its relative measurement mode, the PDRM-1A takes a measurement on a standard ground setting and compares it to those obtained on other ground settings in order to verify if the deviation observed between the two measurements is acceptable or not.



Technical specifications:

Uses the four point measuring method.

- Displays three measurement currents of 1A, 100mA and 5 mA which automatically adjust themselves.
- Automatic stop mechanism of the backlighting system after 30 sec.
- Automatic stop mechanism of the instrument after 2 min. in idle mode.
- The LCD (Liquid Crystal Display) displays the results in letters that are easy to read.
- Kelvin Clamps included.

Accuracy	0.1% of the reading, +/- 2 $\mu\Omega$
Measurement range	1 $\mu\Omega$ a 200 Ω
Resolution	4 ^{3/4} numbers
Battery	Six (6) AA batteries included
Display	Liquid crystals 128x64 dots, wide ranging temperatures 60x41mm (2.31 x 1.62 pulgadas) 2 back-lighting intensities (100%, 50%)
Size & Dimension	203.3 x 114.3 x 50.8 mm (8 x 4.5 x 2 in.)
Weight	0.86 kg (1.9 lbs)

Optional Equipment:

- Specific custom-made probes
- Reference Resistance of 9.5 $\mu\Omega$
- Nylon padded protection case
- ABS transportation case

