

CROPICO DO4002

PORTABLE DIGITAL MILLIOHMETER



The hand-held DO4002, like its sister product the 4000, allows you resistance testing on the move, without compromising on accuracy. No wires, no fuss. The portable appliance allows you to view the measured values clearly on a large LCD screen so it's easy to read. Not only that, but the clear keyboard means it's straight forward to use too. And you can work consistently on the go thanks to rechargeable batteries with automatic power off to give you the best possible battery performance.

Choose from automatic or manual range selection. Advanced features include: Long scale length 4000 count and auto average of forward and reverse current measurement.

Key Features

- True 4 terminal measurement eliminates lead resistance errors
- Wide measuring range 4mOhm...400Ohm, 1 μ Ohm resolution on lowest range
- 1amp measuring current
- Auto/manual range selection
- Enhanced accuracy with Auto average of forward and reverse measurements
- True zero button
- Digital calibration
- Rechargeable battery operation
- Auto power off to maximise battery life
- MEIGAN compliant



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TECHNICAL SPECIFICATION

Range	Resolution	Typical current	Uncertainty @ 20°C ± 5°C 1 year	Temperature Coefficient /°C
400 Ohm	100 mOhm	1 mA	± (0.05% Rdg + 0.02% FS)	30ppm Rdg + 1 ppm FS
40 Ohm	10 mOhm	10 mA	± (0.05% Rdg + 0.02% FS)	30ppm Rdg + 1 ppm FS
4 Ohm	1 mOhm	100 mA	± (0.05% Rdg + 0.02% FS)	30ppm Rdg + 1 ppm FS
400 mOhm	100 µOhm	1 A	± (0.05% Rdg + 0.03% FS)	30ppm Rdg + 4 ppm FS
40 mOhm	10 µOhm	1 A	± (0.05% Rdg + 0.05% FS)	30ppm Rdg + 25 ppm FS
4 mOhm	1 µOhm	1 A	± (0.05% Rdg + 0.1% FS)	30ppm Rdg + 25 ppm FS

Additional Information

- **Display:**
15mm LCD 4000 count with automatic decimal point and polarity indication
- **Ranges:**
6 ranges, with manual or automatic range selection. LED indication of measurement units
- **Average:**
Automatic average and display of measurement offsets
- **Zero:**
Zero button to null measurement offsets
- **Calibration:**
Digital pass code protected
- **Protection:**
415Vrms maximum at terminals will blow internal protection fuse
- **Battery:**
Removable battery pack with 5 1.5Volt non-rechargeable batteries. Separate rechargeable battery pack, charger and docking station are available options.
- **Terminals:**
4mm safety sockets
- **Working temperature:**
0...40 Celsius rel. humidity 80% max. non condensing
- **Safety:**
EN61010-1 EMC-EN661326
- **Dimensions:**
215 x 130 x 55mm (HWD)
- **Mass:**
0.8kg

Accessories

Supplied complete with non-rechargeable battery pack, measuring leads with Kelvin clips operating instructions and calibration certificate

Optional Extras

- **4000-01 Rechargeable Batteries**
Includes rechargeable NiMH batteries, charger and docking station
- **CB02 Carrying Case**
For DO4000 with shoulder strap and lead pouch.
- **Additional lead sets**
LSO3-P Large Kelvin clips 3 metre leads
LSO4-P Large Kelvin clips 3 and 15 metre leads
- **HS01-P**
Duplex Handspikes 3 meter leads
- **MTS2 Calibration Standard**
A switch standard with all values required to calibrate the DO4000