

The series D04000 digital micro ohmmeters offer true portability without any sacrifice to accuracy or functionality. These ruggedly constructed instruments are housed in a stylish plastic case with easy to use keyboard. The measured values are displayed on a large LCD screen which allows for ease of viewing.

The image shows a hand holding a CROPICO 4000 MILLI-OHMMETER. The device is a handheld electronic instrument with a black face and a beige body. At the top, there is a digital display and two indicator lights labeled 'CAL' and 'LOBAT'. Below the display is a schematic diagram of a Wheatstone bridge circuit. The bridge consists of four resistors arranged in a diamond shape. The top resistor is labeled 'Rx'. The other three resistors are labeled with voltage sources: '-U' on the left, '+U' on the right, and '+I' at the bottom. The bridge is connected to a power source 'E' and a current source 'I'. Below the schematic, there are several function buttons: 'CAL', 'ON/OFF' (with a power symbol), 'RANGE' (with 'UP' and 'DOWN' sub-buttons), 'AUTO EDIT', 'ZERO', 'AVE', and 'MEAS OK'. The brand name 'CROPICO' and the website 'www.cropico.com' are printed at the bottom. The model number '4000' and the unit 'MILLI-OHMMETER' are also visible.



DO4000/DO4001 SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy @ 20°C ±5°C 1 year	Temperature Coefficient/°C
4kΩ	1Ω	100μA	±(0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
400Ω	100mΩ	1mA	± (0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
40Ω	10mΩ	10mA	± (0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
4Ω	1mΩ	10mA	± (0.05% Rdg +0.03% FS)	30ppm Rdg + 4ppm FS
400mΩ	100μΩ	10mA	± (0.05% Rdg +0.05% FS)	30ppm Rdg + 25ppm FS
40mΩ	10μΩ	100mA	± (0.05% Rdg +0.1% FS)	30ppm Rdg + 25ppm FS

DO4002 SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy @ 20°C ±5°C 1 year	Temperature Coefficient/°C
400Ω	100Ω	1mA	±(0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
40Ω	10mΩ	10mA	± (0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
4Ω	1mΩ	100mA	± (0.05% Rdg +0.02% FS)	30ppm Rdg + 1ppm FS
400mΩ	100μΩ	1A	± (0.05% Rdg +0.03% FS)	30ppm Rdg + 4ppm FS
40mΩ	10μΩ	1A	± (0.05% Rdg +0.05% FS)	30ppm Rdg + 25ppm FS
4mΩ	1μΩ	1A	± (0.05% Rdg +0.1% FS)	30ppm Rdg + 25ppm FS

Measurement

4 terminal Kelvin/Thomson principle eliminates errors due to lead resistance

Display

15mm LCD 4000 count with automatic decimal point and polarity indication

Ranges

6 automatic or manual selection with LED indication

Terminals

4mm safety sockets

Working Temperature

0°C to +40°C rel. humidity 80% max. non-condensing

Storage Temperature

-20°C to +50°C

Safety

EN 61010-1 EMC-EN 61236

Dimensions

215mm x 130mm x 55mm (W H D) approx
467mm x 374mm x 216mm packed in carton

Mass

0.8kg approx

Zero

Button to null measurement offsets

Protection

415 Vrms maximum at the measuring terminals will blow internal protection fuse

Calibration

Digital security code protected

Battery

Removable pack with 5 1.5V non-rechargeable batteries. Separate rechargeable pack, charger and docking station as optional extras

CODE ▼	ITEM ▼	DO4000 SERIES OPTIONS
4000-01		Rechargeable battery pack includes battery cassette with rechargeable batteries. Docking station also acts as bench stand and charger
4000-02		Replaceable battery holder with non-rechargeable batteries
4000-03		Replaceable battery holder with rechargeable batteries
CB02		Carrying bag with shoulder strap and lead pouch that has a clear front panel to enable full operation
HS01-P		2 x Duplex handspike with 3 metre lead length
HS02-P		Duplex handspikes with 3 and 15 metre lead length
LS03-P		Lead set with 3 metre leads terminated in large Kelvin clips type KC3
LS04-P		Lead set with 3 metres and 15 metres lead length terminated in large Kelvin clips type KC3
LS05		Lead set with 4 x 1 metre leads terminated in banana plugs, 4 x crocodile clips, 4 x test probes and 2 x Kelvin clips type KC1
LS06-P		Lead set with 1 metre leads terminated in miniature Kelvin clips type KC2
MTS2		Calibration standard