

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.



## 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