



## 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  |                       |