



# 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	

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