



## DO5000/DO5001 SPECIFICATIONS

Range	Resolution	Minimum Current	Maximum Current	Accuracy at Full Rated Current
30kΩ	1Ω	10μA	100μA	±(0.03% Rdg +0.02% FS)
3kΩ	100mΩ	100μA	1mA	±(0.03% Rdg +0.01% FS)
300Ω	10mΩ	1mA	10mA	±(0.03% Rdg +0.01% FS)
30Ω	1mΩ	10mA	100mA	±(0.03% Rdg +0.01% FS)
3Ω	100μΩ	100mA	1A	±(0.03% Rdg +0.01% FS)
200mΩ	10μΩ	1A	10A	±(0.03% Rdg +0.01% FS)
30mΩ	1μΩ	1A	10A	±(0.03% Rdg +0.01% FS)
3mΩ	100nΩ	1A	10A	±(0.03% Rdg +0.02% FS)

## DO5002 SPECIFICATIONS

Range	Resolution	Typical Current	Maximum Current	Accuracy at Full Rated Current
30kΩ	1Ω	10μA	100μA	±(0.03% Rdg +0.02% FS)
3kΩ	100mΩ	100μA	1mA	±(0.03% Rdg +0.01% FS)
300Ω	10mΩ	1mA	10mA	±(0.03% Rdg +0.01% FS)
30Ω	1mΩ	10mA	100mA	±(0.03% Rdg +0.01% FS)
3Ω	100μΩ	10mA	100mA	±(0.03% Rdg +0.01% FS)
200mΩ	10μΩ	10mA	100mA	±(0.03% Rdg +0.01% FS)

### Measurement

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

### Display

LCD graphics panel with backlit 30,000 count

### Ranges

8 automatic or manual selection

### Terminals

4mm safety sockets

### Working Temperature

0°C to +45°C rel. humidity 80% max. non-condensing

### Storage Temperature

-20°C to +60°C

### Mains Supply

115/230V +10% -10%  
47Hz to 163Hz 20VA

### Safety

EN 61010-1 EMC-EN 61236

### Dimensions

339mm x 324mm x 131mm (W H D) approx

### Mass

12kg approx. 12kg packed in carton

### Auto Zero

Permits the zero of measurement values

### Average

Automatic average and display of measurement with forward and reverse current

### Auto Temperature Compensation

Automatically references measurement to temperature of 20°C or user defined temperature. User coefficients may be used. External Pt100 senses temperature manual value can be used

### Hi / Lo Limits

Limit values can be set over entire measurement range

### Calibration

Digital pass code protected

### Protection

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

CODE	ITEM	DO5000 SERIES OPTIONS
C02	1 metre cable clamp with metal base for the precise measurement of 1 metre cable samples 0.1...100mm <sup>2</sup>	
C02A	1 metre cable clamp with metal base for the precise measurement of 1 metre cable samples 1...1000mm <sup>2</sup>	
C03	1 metre cable clamp with water bath for the precise measurement of 1 metre cable samples 1...1000mm <sup>2</sup>	
DO500-CS	Calibration standard	
HS01-P	Duplex handspikes with 3 metre lead length	
HS02-P	Duplex handspikes with 3 and 15 metre lead length	
IEEE-DO5	Interface IEEE-488	
IEEE-L01	IEEE-488 cable 1 metre	
LS03-P	Lead set with 3 metre leads terminated in large Kelvin clips type KC3	
LS04-P	Lead set with 3 metre and 15 metre 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	
PLC-DO5	Interface PLC	
PT02-DO5	Temperature probe with 2 metre lead length	



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.