



## DO4A SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy @ 20°C ±5°C 1 year	Temperature Coefficient/°C
4kΩ	1Ω	100A	±(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 +0.05% 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 push button selected with LED indication

### Terminals

4mm binding posts accept spade tags and 4mm banana plugs

### Working Temperature

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

### Storage Temperature

-20°C to +50°C

### Mains Supply

100/120/220/240V +10% to 13%  
47Hz to 63Hz 20VA

### Safety

EN 61010-1 EMC-EN 61236

### Dimensions

15mm x 250mm x 88mm (W H D) approx  
1/2 19" rack 2U high  
467mm x 374mm x 216mm packed in carton

### Mass

3.5kg approx. 4.5kg packed in carton

### Auto Zero

Permits the automatic zero of amplifiers and external circuits, eliminating errors due to thermal E.M.F.

### Protection

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

### Calibration

Digital security key protected

### Battery

6V 2.8Ah sealed lead acid battery with built-in charger. 14 hour typical operating time on lowest range, 28 hours typical on other ranges. Internal charger and automatic switch off

CODE	ITEM	DO4A 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>	
CB01	Carrying bag	
HS01	Duplex handspikes with 3 metre lead length	
HS02	Duplex handspikes with 3 and 15 metre lead length	
LS03	Lead set with 2 x 3 metre leads terminated in large Kelvin clips type KC3	
LS04	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	Lead set with 1 metre leads terminated in miniature Kelvin clips type KC2	
MTS2	Calibration standard	
CHO1	Concentric handspikes	

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