

DO4A 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 +0.05% 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

215mm x 250mm x 8mm (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 ²	
C02A	1 metre cable clamp with metal base for the precise measurement of 1 metre cable samples 1...1000mm ²	
C03	1 metre cable clamp with water bath for the precise measurement of 1 metre cable samples 1...1000mm ²	
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	