



# DO7 SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy at 20°C ±5°C, 1 Year	Temp Coefficient/°C
60Ω	10mΩ	1mA	±(0.15% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
6Ω	1mΩ	10mA	±(0.15% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
600mΩ	100μΩ	100mA	±(0.15% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
60mΩ	10μΩ	1A	±(0.15% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
6mΩ	1μΩ	10A	±(0.2% Rdg +0.01% FS)	40ppm Rdg + 30ppm FS
600μΩ	0.1μΩ	10A	±(0.2% Rdg +0.2% FS)	40ppm Rdg + 250ppm FS

## Measurement

4 Terminal Kelvin / Thomson principle eliminates errors due to lead resistance. Open circuit measurement voltage = 2V dc

## Display

0.8" LED 6000 count with automatic decimal point and polarity indication

## Ranges

6 push button selected with LED indication

## Terminals

6mm binding posts accept spade tags and 4 mm banana plugs

## Working Temperature

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

## Storage Temperature

-20 to +50°C

## Mains Supply

100 / 120 / 220 / 240 Volts

+10% - 13% 47Hz to 63Hz. max 80VA

## Safety

IEC 1010 Protective Class 1

## Dimensions

343mm x 327mm x 152mm (W D H) approx

## Mass

8kg approx

## Protection

415 Vrms maximum at input terminals

## Calibration

Digital, security key protected

## Battery

Sealed lead acid, rechargeable cells giving a minimum of 1 hour of continuous measurement on the lowest 10 amp ranges and 20 hours on all other ranges. Internal charger with battery state indicator

## Average

Automatic average and display of measurement with forward and reverse current

CODE	ITEM	DO7 OPTIONS
CB03	Lead bag attaches to lid of DO7, must be ordered with DO7	
DO7-RS	Remote start plug	
FS01	Remote start foot switch	
HS01	Duplex handspikes with 3 metre lead length	
HS01-RS	Duplex handspikes with 3 metre lead length with remote start button	
HS02	Duplex handspikes with 3 and 15 metre lead length	
HS02-RS	Duplex handspikes with 3 and 15 metre lead length with remote start button	
LS03	Lead set with 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 in miniature Kelvin clips type KC2	
MTS2	Calibration standard	
RSL01	RS232 cable	
CHO1	Concentric handspikes	

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