

DO7E SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy at 20°C ±5°C, 1 Year	Temp Coefficient/°C
600Ω	100mΩ	1mA	±(0.25% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
60Ω	10mΩ	10mA	±(0.25% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
6Ω	1mΩ	100mA	±(0.25% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
600mΩ	100μΩ	1A	±(0.25% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
60mΩ	10μΩ	1A	±(0.25% Rdg +0.05% FS)	40ppm Rdg + 30ppm FS
6mΩ	1μΩ	10A	±(0.25% Rdg +0.05% 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

Binding posts accept 6mm bare wires and 4mm banana plugs (4mm safety sockets)

Working Temperature

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

Storage Temperature

-20 to +50°C

Mains Supply

115/230 Volts +10%-10%
47 to 63Hz 20VA

Safety

EN 61010-1 EMC - EN 61236

Dimensions

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

Mass

6kg approx

Protection

415 Vrms maximum at input terminals

Calibration

Digital Pass code protected

Battery

Sealed lead acid battery with built-in charger. Greater than 1000 measurements on lowest (10A range) and 20 hours on other ranges from a fully charged battery

Average

Automatic average and display of measurement with forward and reverse current

CODE ▾	ITEM ▾	DO7E OPTIONS
CB03	Lead bag attaches to lid of DO7e must be ordered with DO7e	
D07-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 suitable for DO7 and DO7e	
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 metres and 15 metres lead length terminated in large Kelvin clips type KC3	
MTS2	Calibration standard	
CHO1	Concentric handspikes	

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