

DO6 SPECIFICATIONS

Range	Resolution	Typical Current	Accuracy @ 20°C ±5°C 1 year	Temperature Coefficient/°C
20.000mΩ	1μΩ	1A	± (0.05% FS)	< 50ppm
200.00mΩ	10μΩ	100mA	± (0.05% FS)	< 50ppm
2.0000mΩ	100μΩ	10mA	± (0.05% FS)	< 50ppm
20.000Ω	1mΩ	10mA	± (0.05% FS)	< 50ppm
200.00Ω	10mΩ	1mA	± (0.05% FS)	< 50ppm
2.000kΩ	100mΩ	1mA	± (0.05% FS)	< 50ppm
20.000kΩ	1Ω	100μA	± (0.05% FS)	< 50ppm
200.00kΩ	10Ω	10μA	± (0.05% FS)	< 50ppm

Measurement

4 Terminal Kelvin/Thomson, eliminating lead resistance errors

Display

4.5 digit 15mm 7 segment LED with polarity and overload indication. 2 digit 16 segment LED for unit display

Ranges

8 ranges manual selection with up/down keys, automatic selection with autorange function

Auto Zero

Permits the automatic zero of amplifiers and external circuits

Temperature Compensation

Measurement compensated for the following referenced to 20°C:

Copper Cu = 3.93%/K

Brass Ms63 = 1.50%/K

Brass Ms80 = 1.60%/K

Ambient sensed with Pt 100 sensor

Relay Output

For the pre-selected upper and lower limit values "Too small", "Correct", "Too large"

Contact load = 30W max 48V 1 Amp

Dry Circuit Measurement

In accordance with DIN 41640 part 4 and IEC – 132-1

Open circuit voltage limited to 18mV

Interface

RS232 25 pin D-Bush talk listen function

Terminals

4mm safety sockets

Working Temperature

0°C to 50°C rel. humidity 90% max. non-condensing

Storage Temperature

-20°C to +60°C

Mains Supply

230 Volts +6% - 10%

45Hz to 65Hz approx. 30VA

Safety

IEC 1010 Protective Class 1

Dimensions

255mm x 90mm x 263mm (W D H) approx

Mass

5kg approximately

CODE ▾	ITEM ▾	DO6 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
HS01-P		Duplex handspikes with 3 metre lead length
HS02-P		Duplex handspikes with 3 and 15 metre lead length
LS03-P		Lead set with 3 metre leads and terminated with large Kelvin clips type KC3
LS04-P		Lead set with 3 metres and 15 metres lead length terminated in large Kelvin clips type KC3
LS05		Lead set with 4 x 1 metre leads terminated with 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
PT02-DO6		Temperature probe with 2 metre lead length
RSL-03		RS232 Cable