

005/6/8 SPECIFICATIONS

008-C	008-B	008-A	006-C	006-B	006-A	005-B	Decade	Accuracy	Current Max
		■			■		10 x 0.001Ω	± 2%	1.4A
	■	■		■	■	■	10 x 0.01Ω	± 1%	1.4A
■	■	■	■	■	■	■	10 x 0.1Ω	± 0.5%	1.4A
■	■	■	■	■	■	■	10 x 1Ω	± 0.2%	300mA
■	■	■	■	■	■	■	10 x 10Ω	± 0.01%	100mA
■	■	■	■	■	■	■	10 x 100Ω	± 0.01%	30mA
■	■	■	■	■			10 x 1kΩ	± 0.01%	18mA
■	■	■	■				10 x 10kΩ	± 0.01%	5mA
■	■						10 x 100kΩ	± 0.01%	1.8mA
■							10 x 1MΩ	± 0.05%	0.3mA

Model	No. Decades	Total Resistance	Resolution	Sutable for Pt100 Simulation	Resolution °C when Simulating Pt100	Residual Resistance Ω
005-B	5	1,112.10Ω	0.01	■	0.025	1Ω
006-A	6	1,112.11Ω	0.001	■	0.0025	1Ω
006-B	6	11,112.10Ω	0.01	■	0.025	1Ω
006-C	6	111,111Ω	0.1	—	—	70mΩ
008-A	8	111,112.11Ω	0.001	■	0.0025	1Ω
008-B	8	1,111,112.1Ω	0.01	■	0.025	1Ω
008-C	8	11,111,111Ω	0.1	—	—	80mΩ

Calibration

Calibration certificates including UKAS traceable are available on request

Switches

Contact material gold plated brass
 Contact resistance = 5 milli ohm
 Insulation Resistance (all paths = 10 giga ohm)
 Proof voltage 1kV

Resistors

Temperature Co-efficient:

±3ppm / +20°C to + 85°C ±5ppm maximum over -55°C to +125°C 0.1, 0.01, & 0.001 dials 10ppm/°C

Full Load Stability:

±35ppm/10,000 hours
 ±50ppm/26,000 hours

No Load Stability:

±25ppm/10,000 hours
 ±35ppm/26,000 hours

Over full temperature range:

-50°C to +125°C

Power Rating:

0.33 watt (+85°C) 0.25 watt (+110°C)

Maximum Continuous Working Voltage:

Up to 250 V dc

Noise:

Essentially non-measurable <1.5 mV/°C

Thermal E.M.F.:

<0.4mV/°C typical

Encapsulation:

Moulded epoxy

Windings:

Exclusive 'air cushioned' technique provides virtually stressless elements for improved performance. Non inductively wound.
 Direction of winding reversed at half turns point

Weight

005 - 0.5kg
 006 - 0.6kg
 008 - 0.8kg

Size

350mm x 100mm x 80mm (W H D) approx (all models)