

# CR

## HIGH ACCURACY, COST EFFECTIVE 4 TERMINAL CALIBRATION RESISTOR

This range of low cost 4 terminal calibration resistors combine high accuracy, class 0.02, long term stability and permanence of calibration in a compact unit. Constructed using carefully selected low temperature coefficient Manganin or Zeranin wire, depending upon value and mounted to ensure mechanical stability, these resistors will provide a cost effective addition to any laboratory or workshop. Typical applications include calibration reference, accurate current measurement instrument calibration and accurate shunt resistors.

KEY FEATURE	CR
Low capacitance and low inductance design	■
High accuracy 0.02%	■
Suitable for direct current & technical frequencies	■
Oil-filled design ensures great long-term stability <math>< \pm 0.01\%</math> over many years	■

### CR SPECIFICATIONS

Type	Nominal Value	Accuracy $\pm\%$	Temp Coeff	Max Current in Air	Nominal Voltage @ Potential Terminals
CR/0.001	1m $\Omega$	0.05	10ppm/ $^{\circ}$ C	30A	30mV
CR/0.01	10m $\Omega$	0.03	10ppm/ $^{\circ}$ C	14A	140mV
CR/0.1	100m $\Omega$	0.02	10ppm/ $^{\circ}$ C	5A	500mV
CR/1	1 $\Omega$	0.02	2ppm/ $^{\circ}$ C	1.5A	1.5V
CR/10	10 $\Omega$	0.02	2ppm/ $^{\circ}$ C	0.5A	5V
CR/100	100 $\Omega$	0.02	2ppm/ $^{\circ}$ C	0.15A	15V
CR/1k	1k $\Omega$	0.02	2ppm/ $^{\circ}$ C	45mA	45V

#### Dimensions

38mm x 97mm x 41mm (61mm with terminals - approx)

#### Mass

250g approx

