



## Calibration Resistors

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 resistor.

### Main areas of application:

- for tests of measuring bridges or electrical temperature measuring equipment
- for laboratory setup of a Wheatstone bridge
- for a defined current characteristic at a defined voltage
- as shunt resistor for current measurement
- as part of standard equipment in research laboratories

A variety of values are available, see table below:

Type	Nominal Value	Accuracy ±%	Temperature Coefficient	Max. Current in air	Nominal Voltage at Potential Terminals
<b>CR/0.001</b>	1 mΩ	0.05	10 ppm/°C	30 A	30 mV
<b>CR/0.01</b>	10 mΩ	0.03	10 ppm/°C	14 A	140 mV
<b>CR/0.1</b>	100 mΩ	0.02	10 ppm/°C	5 A	500 mV
<b>CR/1</b>	1 Ω	0.02	1 ppm/°C	1.5 A	1.5 V
<b>CR/10</b>	10 Ω	0.02	1 ppm/°C	0.5 A	5 V
<b>CR/100</b>	100 Ω	0.02	1 ppm/°C	0.15 A	15 V
<b>CR/1 k</b>	1 kΩ	0.02	1 ppm/°C	45 mA	45 V

Size: 38 x 97 x 41 mm (61 mm with terminals) Weight: 250 g

All the instruments  
in this catalogue  
can be found  
on our website at:  
**[www.cropico.co.uk](http://www.cropico.co.uk)**

Low  
Capacitance &  
Low Inductance  
Design

High Accuracy  
0.02%

Suitable for  
Direct Current &  
Technical  
Frequencies

Oil-Filled  
Design Ensures  
Great Long  
Term Stability  
<±0.01% over  
many years