



# 5070 DuctorCal

Time Electronics

Calibration, Test & Measurement

- Calibrate Ductor Testers and Micro-Ohm meters
- 0.2, 2, 20, 200, 2000mΩ
- 5 point calibration 0, 25, 50, 75, 100%
- Gold plated terminals
- Low thermal emf connection
- Portable robust carrying case



The **5070 DuctorCal** is a portable instrument suitable for calibrating high current Ductor Testers and Micro-Ohm meters. It contains 5 sets of high current standard resistors that are used for the calibration. It has full 4 terminal capabilities with extra large terminals for the current connection. Gold plated terminals are used throughout to reduce contact resistance and thermal emfs. It has a substantial maximum continuous current rating, but can also be used with much higher transient/pulse test currents.

### 5070 Technical Specifications

Range	Current	Accuracy
50, 100, 150, 200uΩ	200A	0.8%
0.5, 1, 1.5, 2mΩ	100A	0.5%
5, 10, 15, 20mΩ	30A	0.2%
50, 100, 150, 200mΩ	10A	0.1%
0.5, 1, 1.5, 2Ω	3A	0.1%

The currents shown are the continuous rated currents for both AC and DC. Higher currents (as generated by pulse driven instruments) can be used, and with an ON to OFF time ratio of 1:10 or less the allowed peak currents are 10 times those specified above, with an upper limit of 1000A. However, in this case it is important to ensure there are adequate low resistance connections to the DuctorCal's current terminals.

### General Specification

<b>Dimensions:</b>	54 x 41 x 21cm
<b>Weight:</b>	11Kg
<b>Accessories:</b>	Calibration Certificates – traceable to NPL and UKAS

### Ordering Information

Code	Description
5070	DuctorCal
9146	Factory (NPL Traceable) Calibration Certificate
9107	UKAS Calibration Certificate (ISO 17025)

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

Time Electronics, Botany Industrial Est. Tonbridge, Kent. England. TN9 1RH.  
Tel: +44 (0)1732 355993 Fax: +44 (0)1732 770312 E-mail: mail@timeelectronics.co.uk

www.timeelectronics.com