



Time Electronics

5070 Ductor Tester and Micro-Ohmmeter Calibrator



- Calibrate ductor testers & micro-ohmmeters
- 0.2, 2, 20, 200, 2000mΩ ranges
- 5 point calibration: 0, 25, 50, 75, 100%
- 0.1% best accuracy
- Gold plated terminals
- Low thermal emf connection
- Portable and robust carrying case

DESCRIPTION

The 5070 DuctorCal is a portable instrument suitable for calibrating high current ductor testers and micro-ohm meters. It incorporates 5 sets of high current standard resistors that are used to enable precision 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. The internal resistance standards are all high quality manganin types with good long term stability and temperature coefficients.

Rugged and portable, the 5070 is ideal for site calibration work, housed in a safety yellow field case with carry handle.

SPECIFICATIONS

Range	Current	Accuracy
50, 100, 150, 200μΩ	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.

It is important to ensure there are adequate low resistance connections to the DuctorCal's current terminals

Dimensions W540 x H210 x D410mm

Weight 11kg

Optional Extras..... Calibration Certificates – traceable to NPL and UKAS

ORDERING INFORMATION

5070 **DuctorCal: Ductor Tester and Micro-Ohmmeter Calibrator**

C146 Factory Calibration Certificate (NPL)

C107 UKAS Calibration Certificate (ISO 17025)

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



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