

Electrical Test Calibrators

For Rapid Calibration of Electrical Test Equipment

Instruments for rapid calibration of electrical test equipment



5068 Insulation Tester/Megohmmeter Calibrator

A precision instrument for calibrating general purpose insulation testers and megohmmeters with test voltages up to 2.5kV. Rugged, compact, and portable it is ideal for site calibration.

- Insulation resistance from $100k\Omega$ to $10G\Omega$
- Low ohm verification at 1Ω , 10Ω , 100Ω , $1k\Omega$
- Basic accuracy 1%
- Up to 2.5kV operation
- Battery operation (over 150 hours between charges)
- Continuous connection no arcing
- Fully shrouded safety connectors
- Display of open circuit voltage (0 to 1.999kV or 0 to 2.50kV)
- Display of short circuit current (0 to 2mA or 0 to 20mA)
- w270 x H175 x D250mm, weight 2.1kg



5069 Insulation Tester/Megohmmeter Calibrator

A high accuracy calibrator for insulation testers and megohmmeters with test voltages up to 10kV. Sturdy and transportable it is suitable for both lab and site calibration.

- Insulation resistance from $100k\Omega$ to $100G\Omega$
- Basic accuracy 1%
- Up to 10kV operation
- Battery operation (over 150 hours between charges)
- Continuous connection no arcing
- Fully shrouded safety connectors
- Display of open circuit voltage (0 to 2kV or 0 to 9kV)
- Display of short circuit current (0 to 2mA or 0 to 20mA)
- w406 x H175 x D330mm, weight 4.4kg



5070 Ductor Tester/Micro-Ohmmeter Calibrator

The DuctorCal is a portable instrument suitable for calibrating high current ductor testers and micro-ohmmeters. It contains 5 sets of high current rating standard resistors that simulate the resistance being measured.

- Calibrate ductor testers and micro-ohmmeters
- 0.2, 2, 20, 200, 2000mΩ ranges
- Accuracy/rng: $0.2m\Omega$ (0.8%), $2m\Omega$ (0.5%), $20m\Omega$ (0.2%), $200 \& 2000m\Omega$ (0.1%)
- 5 point calibration: 0, 25, 50, 75, 100%
- Gold plated terminals
- Low thermal EMF connection
- Portable robust carrying case
- w540 x H210 x D410mm, weight 11kg



5080 Portable Appliance Tester Calibrator

Designed to provide rapid high accuracy calibration of portable appliance testers and insulation/continuity testers. The 5080 has calibration functions for earth bond, insulation, leakage, touch leakage, and load test.

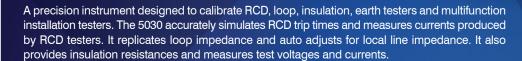
- Earth bond range 18Ω to $20m\Omega$
- Earth bond currents up to 50A AC
- Load test currents up to 13A AC
- Voltage and current displayed on integral LCD display
- · Safety interlock feature
- Portable robust carrying case
- Battery powered (over 200 hours between charges)
- w406 x H175 x D330mm, weight 5.5kg



EasyCal

5030 Electrical Tester Calibrator

- RCD 3mA to 2500mA, 10ms to 2000ms
- Loop $50m\Omega$ to $1.8k\Omega$
- Insulation up to $2G\Omega / 1kV$
- Continuity 0.1Ω to $10k\Omega$
- RS-232 / USB Control
- Fast and intuitive user interface
- PC/laptop control via EasyCal software
- w430 x н155 x D255mm, weight 8kg





Function	Range / Values	Resolution	Accuracy
-oop			
Loop Impedance Resistor Values	1800, 330.0, 180.0, 33.00, 18.00, 3.300, 1.800, 0.330, 0.150 & 0.050Ω	4 digit	$\pm 0.5\%$ of displayed value \pm 10m Ω Test Current 40A max (200ms) / 50W max
Local Loop Compensation	0 to 9.99Ω	0.001Ω	$\pm 0.5\%$ of value $\pm 10 m\Omega$
RCD			
Trip Time	10, 20, 30, 40, 50, 60, 80, 100, 300, 500, 1000, 1500, 2000ms (Fully variable from via remote commands - EasyCal software)	1ms	±0.1ms
Current	6.000, 10.00, 30.00, 100.0, 300.0, 500.0, 1000mA	4 digit	±0.5% of rdg, ±1% of rdg with x5 multiplier
Additional Specifications	Current Multipliers: x0.5, x1, x2, x5 • Maximum Current: 2500mA • Waveforms: AC, DC & half wave rectified Phase detection: 0° or 180° • Pre Trigger Delay: 0 to 2000ms • Pre Trigger Threshold: 0 to 100% of nominal current		
nsulation			
Resistance	1MΩ to 2000MΩ	1ΜΩ	1% of value
	50kΩ to 1990kΩ	50kΩ	1% of value
Test Voltage Measurement @ 0.5mA or 1.0mA Load	50.0 to 99.9V DC	0.1V	1% of reading
	1000 to 1200V DC	1V	1% of reading
Short Circuit Current	0.00 to 300.00mA DC	0.01mA	1% of range
Continuity			
Resistance	0.1Ω to 100.0Ω	0.1Ω	1% of value
	250Ω, 500Ω, 1.00kΩ, 2.50kΩ, 5.00kΩ & 10.0kΩ	3 digit	1% of value
Test Voltage Measurement (input resistance 10MΩ)	0.0 to 50.0V DC	0.1V	0.5% of range
Test Current Measurement (between 0.1Ω and 100Ω)	0 to 400mA DC	1mA	0.5% of range
Power Dissipation	1 watt maximum	-	1
oltage			
Line Voltage Measurement	200 to 260V RMS	0.1V	0.5% of reading
Line Frequency Measurement	45 to 65Hz	0.01Hz	0.1% of reading

5030	ELECTRICAL TESTER CALIBRATOR		
ECFLA	EasyCal Calibration Software		
C201	Factory Calibration Certificate (NPL traceable)		
C137	UKAS Calibration Certificate (ISO 17025)		
5068	INSULATION TESTER CALIBRATOR (100kΩ to 10GΩ)		
C189	Factory Calibration Certificate (NPL traceable)		
C112	UKAS Calibration Certificate (ISO 17025)		
5069	INSULATION TESTER CALIBRATOR (100kΩ to 100GΩ)		
C189	Factory Calibration Certificate (NPL traceable)		
C112	UKAS Calibration Certificate (ISO 17025)		
5070			
C146	Factory Calibration Certificate (NPL traceable)		
C107	UKAS Calibration Certificate (ISO 17025)		
5080	CALIBRATOR FOR PAT'S AND INSULATION TESTERS (PATCAL 2)		
	Factory Calibration Certificate (NPL traceable)		
	UKAS Calibration Certificate (ISO 17025)		
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