Time Electronics 5080 PATCAL – Portable Appliance Tester Calibrator



- For calibration of PATs and VDE 0701 testers
- Earth bond range 18Ω to $20m\Omega$
- Earth bond currents up to 50A AC
- Load test currents up to 13A AC
- V & I displayed on integral LCD digital meter
- Safety interlock feature
- Battery operation (>200 hrs between charges)
- Portable and robust carrying case

DESCRIPTION

A precision 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. Housed in a robust safety case the 5080 is easily portable and ideal for field calibration work. It is battery powered, which ensures isolation and prevents inaccuracies due to stray leakage. Features include safety interlock that prevents contact with earth bond studs during insulation and leakage tests, and an LCD display for voltage and current.

SPECIFICATIONS

Earth Bond - Calibrated low value resistive loads

Open circuit voltage measurement High current AC measurement Low current AC measurement	$950m\Omega$, 1.050mΩ, 1.08Ω, 2Ω, 10Ω, 18Ω, accuracy 19 Range: 0 to 20V. Accuracy: 0.25% of full scale Range: 0 to 50A AC. Accuracy: 0.5% of reading +/ Range: 0 to 2A AC. Accuracy: 0.5% of reading +/- Range: 0 to 2A DC. Accuracy: 1% of reading +/- 20	- 0.2A 2mA
Open circuit voltage measurement	sistive loads 5ΜΩ, 10ΜΩ, accuracy 0.1%. 20ΜΩ, 50ΜΩ, 100ΜΩ, Range: 0 to 1kV DC. Accuracy: 0.25% of full scale Range: 0 to 20mA DC. Accuracy: 0.25% of full scal	
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	ource for touch leakage meters 1.9mA AC 50 +/-5 Hz, into 2K2 maximum load resi Range: 0 to 2mA AC. Accuracy: 0.25% of full scale	
-	ad via a IEC connector Range: 0 to 500V AC. Accuracy: 0.25% of full scale Range: 0 to 13A AC. Accuracy: 0.5% of full scale	9
5	W406 x H175 x D330mm, weight 5.5kg Internal battery 6V re-chargeable NiCad, >200 hrs between charges.	
C188	PATCAL – Portable Appliance Tester Calibrator Factory Calibration Certificate (NPL) UKAS Calibration Certificate (17025)	Due to continuous development Time Electronics reser

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