



CBP-ELEC1: Electrical CalBench Package

A pre-configured CalBench for electrical, electronic, frequency and temperature calibration



About the CBP-ELEC1 Package

A CalBench package that provides users with modules and extras for the calibration of electrical and electronic test tools, instruments and devices. It allows users to test and maintain a wide range of instruments commonly used by engineers in industrial plants, with a high level of automation to ensure rapid turnarounds.

- Comprehensive calibration of electrical and electronic test tools
- Multifunction calibrator module with 6.5 digit multimeter and PC control centre
- Source and measure voltage, current, resistance, frequency and more
- Oscilloscope calibration with 2.2 GHz levelled sine wave generation
- RTD and thermocouple simulation and measurement
- Electrical tester calibrator module for RCD, loop, and insulation
- Benchtop insulation tester calibrator for increased range/application coverage
- 50 MHz function generator module for test and repair work
- Variable AC and DC power supply modules for functional testing of equipment
- Control centre operated 100 MHz oscilloscope and 6 GHz frequency counter
- Automated calibration using EasyCal software with printers and extras supplied
- Extras include solder and re-work station, service kit and ESD workstation kit

Calibration Capabilities

Electrical and Electronic

Multimeters, AC/DC signal sources, clamp meters, data loggers, tachometers, ohmmeters, decade boxes, RCL meters, conductance meters, inductance meters, continuity testers.

Electrical Test and Frequency

RCD testers, loop testers, earth ground testers, insulation testers, multifunction installation testers, oscilloscopes, frequency meters, frequency counters, timer counters.

Temperature

Sensors, transmitters, indicators, RTDs, thermocouples, recorders, controllers, thermometers, process calibrators, PRTs, thermistors.

Note: A dry block calibrator is required for temperature sourcing on certain applications





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Item #	Qty	Code	Basic Description	Basic Purpose
1	1	7080-HD	CalBench Heavy Duty Version (W 2000 x D 850 x H 1568 mm) Framework bench style with worktop, perforated panel, primary console with 7082 mains power controller module.	Provides an ergonomic workspace for various calibration applications. Modules below to be fitted to the primary console for testing workload.
2	1	7137	Perfo Panel Option: 40 piece Tool Hook Kit	For holding various tools and accessories.
3	1	7139	Perfo Panel Option: Shelf (W 450 x D 250 x H 130 mm)	Suitable for storing equipment and tools.
4	1	7133	Magnet Set for Perfo Panel (10 x round, 10 x hook type)	For securing documents and small tools to perfo panel.
5	1	7141	Perfo Panel Option: Storage Bin Strip (W 450 x H 75 mm) Supplied with 4 x 1 L bins.	For storage of components and small tools.
6	1	7132	5 Drawer Unit (W 525 x D 550 x H 600 mm)	For storage of equipment, tools, documents etc.
7	3	7134	Slotted Divider Kit for drawers inside 7132	Partitions the drawer units for parts and components.
8	1	7051 +	Multifunction Calibrator and Control Centre Module Advanced system package for precision source and measure capabilities. Integral calibrator, 6.5 digit multimeter, PC and EasyCal software. Operation via 12.1 " touch screen display. Built-in communication with compatible modules.	Source and measure electrical, electronic, frequency, temperature. Enables users to calibrate process and electrical instruments like sensors, multimeters, clamp meters, scopes and more. EasyCal software and accessories included for automation, administration and certificate generation.
9	1	9769	7051 Internal Option: 2.2 GHz Levelled Sine Generator	An internally fitted option that enables the calibrator to output a pure sine wave up to 2.2 GHz, for calibration of oscilloscopes.
10	1	5030B	Electrical Tester Calibrator Module	Calibrate RCD, loop, insulation, earth testers and multifunction installation testers.
11	1	CCSCOPE-2208B	Control Centre Integral Oscilloscope (2 channel) 100 MHz with connection module, control centre operation.	For basic R&M applications, fault finding and diagnostic work.
12	1	CC-FRQC	Control Centre Integral Frequency Counter & Power Meter 6000 MHz with connection module, control centre operation.	For frequency and power measurement applications in fault diagnostics and repair work.
13	1	7031	50 MHz Function/Arbitrary/Pulse Generator	Used to generate different types of electrical waveforms over the frequency range, for test and repair applications.
14	1	7088D	Adjustable AC Supply Module with Digital Displays Variable output voltage from 0 to 110 % above line input. 0 to 265 V 50 Hz, 10 A at 240 V. 0 to 121 V 50 Hz, 10 A at 110 V.	Provides variable 50 Hz AC power up to 10 A with two digital meters monitoring the output voltage and current. For general purpose use and R&M applications.
15	1	7053	56 V DC 4 A Adjustable Power Supply Module - Digital	A variable DC supply to supplement various applications.
16	1	5069	Benchtop Insulation Tester Calibrator Decade resistance 100 k Ω - 100 G Ω .	For calibrating insulation testers and megohmmeters with test voltages up to 10 kV.
17	1	7145	High Performance Soldering/De-soldering/Rework Station Includes soldering iron, de-soldering tool & hot air rework tool, standard tips and nozzles.	High quality soldering, for electronics, components etc. A comprehensive unit that features a built-in pump for vacuum and air flow, and three simultaneously powered ports.
18	1	7146	Extra solder tips (6 piece set)	A selection of soldering tips for use with the 7145 unit.
19	1	TL90	High Performance Magnification and Inspection Light	A magnifier with 48 premium LEDs to illuminate a 6 " wide-angle, distortion-free lens. For inspection of circuit boards etc.
20	1	7180	Circuit Board Holder	For holding circuit boards with quick and easy rotation and component insertion/soldering.
21	1	7183	Electronic service case (76 tools)	A comprehensive selection of tools for electrical and electronic service work.
22	1	7186	ESD Workstation Kit for CalBench Benchtop mat, signage, bonding plugs, wrist strap & leads.	An antistatic mat to cover the benchtop when needed. A kit to eliminate static electricity and prevent ESD damage.
23	1	8002	CalBench Environmental Monitoring System	Measures and logs temperature, relative humidity and barometric pressure, with control centre interface.
24	1	CERTS	Traceable Calibration Certificates For all test modules and additional test equipment.	Certifies all calibration modules and additional test instruments have been tested in the TE factory to international standards.