



## CBP-ELEC2: Electrical CalBench Package

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



### About the Package

A CalBench package that provides users with a combination of modules and accompanying products for calibrating electrical and electronic test equipment and devices. It allows users to test and verify a wide range of instruments, 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/measure voltage, current, resistance, capacitance, inductance, frequency
- Oscilloscope calibration with 2.2 GHz levelled sine wave generation
- RTD and thermocouple simulation and measurement
- Insulation tester calibrator module for use up to 10 G $\Omega$ , 2.5 kV test voltages
- LCR meter module for electronics measurement applications
- Control centre operated 100 MHz oscilloscope and 6 GHz frequency counter
- Control centre operated 20 MHz function/arbitrary waveform generator
- Variable AC and DC power supply modules for functional testing of equipment
- 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

Insulation testers, megohmmeters, tachometers, 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 applications. Modules below to be fitted to the primary console for the necessary workload.
2	1	7185	ESD grey laminate worktop for CalBench Chipboard, conductive core, 3 mm ABS edges, antistatic, scratch, impact and stain resistant.	A high quality durable anti-static worktop for the CalBench.
3	1	7137	Perfo Panel Option: 40 piece Tool Hook Kit	For holding various tools and accessories.
4	1	7139	Perfo Panel Option: Shelf (W 450 x D 250 x H 130 mm)	Suitable for storing equipment and tools.
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	7157	Articulating Keyboard Tray for CalBench	Situates the keyboard and mouse for the control centre module operations. Can be positioned under bench when not in use.
7	1	8134	Mobile 4 Drawer Unit, ESD, RAL 7035 light grey colour	Mobile storage that can situate under the CalBench.
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	CCPAD	Control Centre Numeric Keypad Module with jog dial	Provides an ergonomic method of using the control centre module without mouse or keyboard.
11	1	CCSCOPE-2208B	Control Centre Integral Oscilloscope (2 channel) 100 MHz with connection module, control centre operation.	For basic R&M and testing applications, fault finding and diagnostic work.
12	1	CC-FRQC	Control Centre Integral Frequency Counter 6000 MHz with connection module, control centre operation.	For frequency measurement in testing applications, fault diagnostics and repair work.
13	1	CC-AFG20	Control Centre Integral Function Generator 20 MHz with connection module, control centre operation.	Used to generate different types of electrical waveforms over the frequency range, and frequency measurement for fault diagnostics and repair work.
14	1	5068B	Insulation Tester Calibration Module (100 kΩ to 10 GΩ)	For calibrating insulation testers and megohmmeters with test voltages up to 2.5 kV.
15	1	7033	High Precision LCR Meter Module (200 kHz)	Used to measure inductance, capacitance and resistance of components and devices at various frequencies.
16	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.
17	1	M-PSW250-4.5	Multi-Range DC Power Supply Module 0 to 250 V, 0 to 4.5 A, 360 W.	A regulated high range DC supply for inputting stable voltages, for bench testing of devices and circuits.
18	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.
19	1	7146	Extra Solder Tips (6 piece set)	A selection of soldering tips for use with the 7035 module.
20	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.
21	1	7180	Circuit Board Holder	For holding circuit boards with quick and easy rotation and component insertion/soldering.
22	1	7154	Benchtop turntable with locking mechanism	For practical placement of devices and parts being worked on.
23	1	7183	Electronic Service Case (76 tools)	A comprehensive selection of tools for electrical and electronic service work.
24	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.
25	1	8002	CalBench Environmental Monitoring System	Measures and logs temperature, relative humidity and barometric pressure, with control centre interface.
26	1	CERTS	Traceable Calibration Certificates For all test modules and additional test equipment.	Certifies all source/measure modules and extra instruments have been tested in the TE factory to international standards.