CBP-RM1: Repair and Maintenance CalBench Package
A pre-configured CalBench for R&M applications

About the R&M CalBench

The CBP-RM1 is a package featuring a multi-purpose CalBench with various extras for common repair and maintenance applications. It is an excellent system for electrical workshops that need a solution to fast and efficient instrument and device diagnostics.
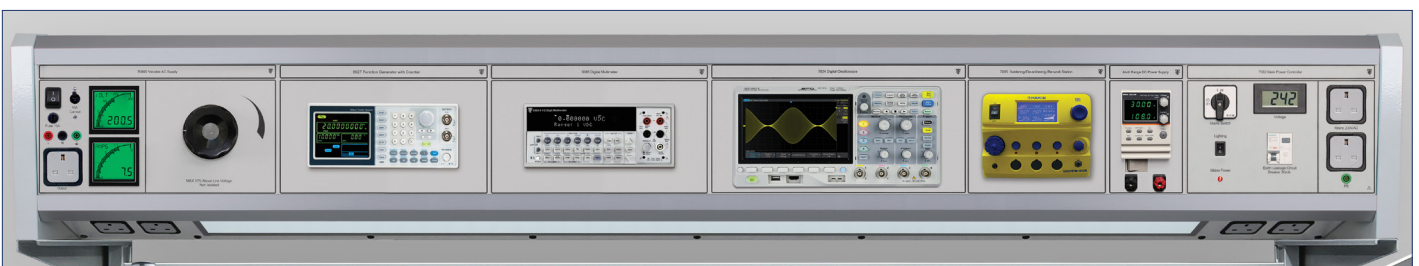
This package creates a highly organised workspace with familiar test and measurement instruments integrated into the console of the CalBench. Modules include variable AC and DC power supplies, an oscilloscope, function generator and digital multimeter. This module selection provides engineers with a range of features and functions to perform service work where signal generation and analysis is required.

Additionally a soldering/de-soldering/re-work station module allows users to perform repairs of devices and work on electrical components. Accessories that complement the module include a fume extractor, magnifying lamp and circuit board holder.

The package includes a PC that situates under the bench. The accompanying touch screen monitor mounts to a retractable arm that fixes to the perfo panel.

Features

- CalBench for R&M, diagnostics, fault finding and analysis

- Suitable for electrical workshops in process and power plants

- Modules to help users investigate behaviours of instruments

- Oscilloscope and digital multimeter modules

- Variable AC and DC power supply modules

- Function generator with frequency counter module

- Solder and re-work module with accompanying benchtop extras

- PC housed under worktop with monitor mounted to perfo panel

- Antistatic mat included, with bonding plugs, wrist strap & leads

- Comprehensive kit of electronics service tools included

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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	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	1	7123	Under Bench CPU Holder	For housing computer (CBPC) under worktop.
8	1	5065B	6.5 Digital Multimeter Module AC/DC voltage, AC/DC current, 2/4 wire resistance, frequency, period, diode, continuity, thermocouples and RTD.	A versatile 6½ digit multimeter module with 19 measurement functions. Simple operation, stability, and high accuracy make the 5065B an ideal DMM for a variety of applications.
9	1	7024	Digital Oscilloscope Module 200 MHz, 4 channel, colour LCD display.	High performance scope ideal for maintenance of electronic equipment and general purpose laboratory work.
10	1	8027	25 MHz Arbitrary DDS Function Generator Module With counter, sweep, AM, FM and FSK modulation.	Used to generate different types of electrical waveforms over the frequency range, and frequency measurement for fault diagnostics and repair work.
11	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.
12	1	M-PSW160-7.2	Multi-Range DC Power Supply Module 0 to 160 V, 0 to 7.2 A, 360 W.	A regulated DC supply for inputting stable voltages, for bench testing of devices and circuits.
13	1	7035	High Performance Soldering/De-soldering/Rework Module Includes soldering iron, de-soldering tool & hot air rework tool, standard tips and nozzles.	High quality soldering for electronics, components etc. A comprehensive module that features a built-in pump for vacuum and air flow, and three simultaneously powered ports.
14	1	7146	Extra Solder Tips (6 piece set)	A selection of soldering tips for use with the 7035 module.
15	1	7147	Benchtop Fume Extraction Kit	Fume extractor for use with 7035 soldering module.
16	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.
17	1	7180	Circuit Board Holder	For holding circuit boards with quick and easy rotation and component insertion/soldering.
18	1	7183	Electronic Service Case (82 tools)	A comprehensive selection of tools for electrical and electronic service work.
19	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.
20	1	CBPC	CalBench PC Workstation Includes high performance PC, touch screen monitor, TL102 mounting arm, keyboard and mouse.	Enable users to access necessary programs and data. An ergonomic mounting arm fixes the monitor to the CalBench perfo panel enabling it to be positioned away from the tabletop when not in use. The PC is housed in the 7123 under worktop holder.
21	1	CERTS	Traceable Calibration Certificates For all test modules and additional test equipment.	Certifies all measurement modules and additional instruments have been tested in the TE factory to international standards.