CBP-WW2: Wide Workload CalBench Package
A pre-configured CalBench for electrical, temperature and pressure calibration

About the Wide Workload CalBench

The CBP-WW2 is an advanced CalBench package for calibration of a wide range of instrumentation, test tools and devices. It provides users with source and measure functions for electrical, pressure and temperature applications. Automated calibration can be performed with EasyCal software and compatible modules.

- Multi instrument and device calibration and testing capabilities
- Multifunction calibrator module with 6.5 digit multimeter and PC control centre
- Advanced process calibrator module, operated via control centre
- Source and measure voltage, current, resistance, frequency and more
- RTD & thermocouple simulation and measurement, HART communication
- Automatic pressure controller module for vacuum to 40 bar (600 psi)
- Precision pressure measurement modules for 2, 100, 200, and 700 bar
- Benchtop pumps, pressure adaptor kit and electrical vacuum pump included
- Fixed and variable DC power supply modules for powering devices under test
- Control centre operated 100 MHz oscilloscope
- Temperature interface module for batch thermocouple calibration
- Dry block calibrator for temperature sourcing, automatic control via EasyCal
- Automated calibration using EasyCal software with printers and extras supplied

Calibration Capabilities

Pressure
Gauges, calibrators, transducers, transmitters, indicators, switches, valves, controllers, manometers, chart recorders.

Temperature
Temperature sensors, indicators, thermocouple and RTD transmitters, recorders, controllers, thermometers, process calibrators, PRTs, thermistors.

Electrical / Frequency
Multimeters, AC/DC signal sources, clamp meters, data loggers, tachometers, ohmmeters, decade boxes, RCL meters, conductance meters, inductance meters, oscilloscopes, frequency meters, frequency counters, timer counters.

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	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.
5	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.
6	1	8134	Mobile 4 Drawer Unit, ESD, RAL 7035 light grey colour	Mobile storage that can situate under the CalBench.
7	1	7123	CPU/Dry Block Calibrator Holder	For storing a dry block calibrator when not in use.
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	8060-PO	Process Calibrator Module with control centre operation Connection module, operation via control centre.	Source & measure signals to calibrate process instrumentation like transmitters, RTDs, thermocouples and more. Manual control application and EasyCal software operation.
10	1	CCPAD	Control Centre Numeric Keypad Module with jog dial	Ergonomic method of data entry to EasyCal software.
11	1	CCSCOPE-2208B	Integral Oscilloscope with Connection Module 100 MHz, 2 channel, operation via control centre.	For basic R&M applications, fault finding and diagnostic work.
12	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 for fault diagnostics and repair work.
13	1	8030B/G40b/G20b/ CV4b/BARO	Automatic Pressure Calibrator Module with multiple ranges Sensor 1: 0 to 40 bar (600 psi), 0.01 % FS accuracy. Sensor 2: 0 to 20 bar (300 psi), 0.01 % FS accuracy. Sensor 3: Vacuum to 4 bar (60 psi), 0.01 % FS accuracy. Sensor 4: Barometric Reference.	For automated pressure calibration. 40 bar range for workload pneumatic testing of gauges, transmitters etc. Supplied with contamination trap. Ranges can be modified as per customer requirements.
14	1	MTEG-G200b/0.02	Digital Pressure Gauge Module 0 to 200 bar (3000 psi), 0.02 % FS accuracy.	For high range pneumatic calibration work, used with 7194A pump.
15	1	XTEG-G700b/0.02/M	Pressure Measurement Module with Control Centre Interface 0 to 700 bar (10,000 psi), 0.02 % FS accuracy.	For hydraulic calibration with accompanying pump.
16	1	XTEG-G100b/0.02/M	Pressure Measurement Module with Control Centre Interface 0 to 100 bar (1450 psi), 0.02 % FS accuracy.	For mid/high range pneumatic calibration work. Used with 7194A pump or T-piece method from RMTEG-G200b/0.02.
17	1	XTEG-CV2b/0.02/M	Pressure Measurement Module with Control Centre Interface Vacuum to 2 bar (30 psi), 0.02 % FS accuracy.	For low range pressure calibration. Used with 7194A pump or T-piece method from 8030B module.
18	1	7085A	Auto Switching Temperature Distribution Module	Connection module to enable batch testing of temperature devices like thermocouples.
19	1	M-PSW80-13.5	Multi-Range DC Power Supply Module 0 to 80 V, 0 to 13.5 A, 360 W.	A regulated DC supply for inputting stable voltages, used for on-bench power to applications, and testing devices and circuits.
20	1	7087	Quad DC Power Supply Module 6 V (20 A), 12 V (10 A), 24 V (6 A), 48 V (3 A).	Provides a DC power supply to various instrumentation and devices under test.
21	1	7149	Electrical Vacuum Pump	Provides a vacuum for pressure modules.
22	1	7149-HCO	Housing and Connectivity Option for the 7149 vacuum pump	Compact housing for the 7149 pump, situated under bench.
23	1	7195	Benchtop Hydraulic Pressure Calibration Pump Vacuum to 700 bar (10,000 psi).	Provides hydraulic pressure to 700 bar XTEG module.
24	1	7194A	Benchtop Pneumatic High Pressure Calibration Pump Vacuum to 200 bar (3,000 psi).	Pressure generation to 200 bar, suitable for use with pressure modules when compressed air source is not available.
25	1	7198	Pressure Calibration Accessories Kit A comprehensive selection of fittings, adaptors and hoses.	Provides all the required pressure connections and fittings for modules and pumps to UUTs.
26	1	8100	Benchtop Instrumentation Test Stand	For positioning UUTs on CalBench worktop.
27	1	8072	Dry Block Calibrator (28 to 660 °C) with metric multi hole insert (1x3,2x4,1x5,1x6,1x9 mm), blank insert, EasyCal software driver.	Temperature source for the calibration of probes, RTDs, and more. Automated operation with 7051+, EasyCal and 7085A.
28	1	8072-METP	Pack of 16 Metric Inserts for 8072: 3 mm to 20 mm holes	Inserts for use with different probe sizes, used with 8072.
29	1	8002	CalBench Environmental Monitoring System	Measures and logs temperature, relative humidity and barometric pressure, with control centre interface.
30	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.