CBP-WW4: Wide Workload CalBench Package
A pre-configured CalBench for the calibration of electrical, temperature and pressure instrumentation

About the Package

The CBP-WW4 CalBench is a package for testing and calibrating electrical, pressure, and temperature instrumentation. The selection of modules and accompanying products provide users with a flexible and high performance workstation. It can be operated manually or utilised for software driven calibration.

• Heavy duty CalBench system for process instrumentation calibration
• Process calibrator module with 6.5 digit multimeter and PC control centre
• Source and measure voltage, current, resistance, frequency and more
• Benchtop electrical multifunction calibrator for meter calibration
• Control centre operated oscilloscope and function generator modules
• RTD & thermocouple simulation and measurement, HART communication
• Regulated pressure calibration module for vacuum to 7 bar
• Precision pressure measurement modules for pneumatic & hydraulic calibration
• Benchtop pumps, pressure adaptor set, manifold and electrical vacuum pump
• Fixed and variable DC and AC power supply modules for test and loop power
• Dry block calibrator for temperature sourcing, automatic control via EasyCal
• Automated calibration using EasyCal software with printers and extras supplied
• Storage solutions include 4 drawer unit, under bench holder, perfo panel fittings

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 / Electronic

Multimeters, AC/DC signal sources, clamp meters, data loggers, tachometers, ohmmeters, decade boxes, conductance meters, power meters, watt meters, tachometers.

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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	7125	Perfo Panel Option: 20 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	7124	4 Drawer Unit (W 525 x D 550 x H 600 mm)	For storage of equipment, tools, documents etc.
6	1	7123	CPU/Dry Block Calibrator Holder	For storing dry block calibrators when not in use.
7	1	8060+	Process Calibrator and Control Centre Module Advanced system package for precision source and measure capabilities. Integral process 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 process signals for electrical, frequency, temperature. Enables users to calibrate process instrumentation like transmitters, RTDs, thermocouples and more. EasyCal software and accessories included for automation, administration and certificate generation.
8	1	CCPAD	Control Centre Numeric Keypad Module with jog dial	Ergonomic method of data entry to EasyCal software.
9	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.
10	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.
11	1	RMTEG-CV7b/0.02	Digital Pressure Gauge Module with Regulator Vacuum to 7 bar (100 psi), 0.02 % FS accuracy.	For pneumatic calibration from vacuum to 7 bar (100 psi), used with the 7149 electrical vacuum pump and external air supply. Can be used manually with pump also.
12	1	XTEG-G20b/0.02/M	Pressure Measurement Module with Control Centre Interface 0 to 20 bar (300 psi), 0.02 % FS accuracy.	For mid/high range pneumatic calibration work. Used with 7193B pump.
13	1	XTEG-G100b/0.02/M	Pressure Measurement Module with Control Centre Interface 0 to 100 bar (1500 psi), 0.02 % FS accuracy.	For mid/high range pneumatic calibration work. Used with 7193B pump.
14	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.
15	1	7056	Dual Adjustable Power Supply Module 2 x 30 V DC 3 A.	A variable DC supply to supplement various applications.
16	1	7083	Dual 24 V Fixed DC Power Supply Module	For powering loop instrumentation, transmitters and other equipment requiring 24 V DC.
17	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 AC power up to 10 A with two digital meters monitoring the output voltage and current. For general purpose use and R&M applications.
18	1	7149	Electrical Vacuum Pump	Provides a vacuum that connects to the RMTEG-CV7b module, enabling regulation for negative pressure calibration work.
19	1	7149-HCO	Housing and Connectivity Option for the 7149 vacuum pump	Compact housing for the 7149 pump, situated under bench. Sound proofed and power control via 7082 module on CalBench.
20	1	7161-VLP	Benchtop Pneumatic Pressure Calibration Manifold with Vernier Dual port for use from vacuum to 40 bar (600 psi).	Provides a convenient UUT connection on the bench. Used with the RMTEG module for calibration of pressure devices.
21	1	7195	Benchtop Hydraulic Pressure Calibration Pump Vacuum to 700 bar (10,000 psi).	Hydraulic pressure to 700 bar. Used with XTEG-G700b module, with a dual output manifold for both UUT & module connection.
22	1	7193B	Benchtop Pneumatic High Pressure Calibration Pump Vacuum to 100 bar (1500 psi).	Pressure generation to 100 bar. Used with XTEG-G20b and XTEG-G100b modules. Features a dual output manifold for both UUT & module connection.
23	1	ADK12	Pressure Calibration Adaptor Kit A kit with a selection of 12 commonly used adaptors.	Provides adaptors for common pressure connections from modules and pumps to UUTs.
24	1	5025E-S2	Benchtop Electrical Multifunction Calibrator AC/DC 1050 V / 22 A, variable resistance, Pt100 simulation, thermocouple simulation, conductance, capacitance, power calibration, 10 MHz digital frequency.	Source & simulation of signals for electrical, electronic, frequency, temperature calibration. Enables users to test and verify process and electrical instruments like sensors, multimeters, clamp meters and more.
25	1	9780	Clamp Meter Adaptor	Used with 5025E to calibrate clamp meters.
26	1	9773	Optical Tacho Adaptor	Used with 5025E to calibrate optical tachometers.
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 8060+ and EasyCal software.
28	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.