CBP-TRN2: Dual User Instrumentation Trainer CalBench Package
A pre-configured CalBench for instrumentation test and training

About the Package

The CBP-TRN2 CalBench is a dual user workstation for instrumentation test and training work. Students can work side by side to practice various applications relating to commissioning, calibration and maintenance of the typical devices used for measurement in process and oil & gas industries.

The CalBench console is configured with 2 sets of identical modules fitted to each side. This makes a combined solution for two students to work on tasks at the same time. 8060 modules provide source, simulation and measurement of process signals, HART communication and 24 V loop power. Each features a PC control centre with 12.1" touch screen display, running the calibrator control application. EasyCal software is available as an option, to enable automated calibration and test management.

For pressure, regulated pneumatic modules with digital gauges are used for 0 to 7 bar (100 psi) controlled output. Additional modules include two variable DC power supplies and two dual AC power socket modules situated and each end of the console.

The package has various extras to aid training applications and create an ergonomic workspace. These include perfo panel hooks, document holder, and shelves. Calibration accessories include an adaptors/fittings kit, and an instrumentation test stand with manifold, vice and transmitter bracket.

Features

- Dual user instrumentation test & trainer CalBench
- For 2 students, side by side operation
- 2 x Multifunction process calibrator & control centre modules
- 2 x regulated 0 to 7 bar (100 psi) modules with digital gauges
- Pressure modules have control centre readback interface
- 2 x variable DC power supply modules
- 2 x dual AC V power socket modules
- 2 x configurable instrumentation test stands
- 2 x dual port manifolds (thread type can be specified)
- 2 x comprehensive pressure fittings/adaptors kits
- Mobile 4 drawer unit for storage, situates under bench
- Perforated panel fittings, document holder, shelves, tool kit

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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	2	7139	Perfo Panel Option: Shelf (W 450 x D 250 x H 130 mm)	Suitable for storing equipment and tools.
4	2	7143	Perfo Panel Option: Document Holder (W 450 x H 360 mm)	For placing instructions, user manuals, guides etc.
5	1	8134	Mobile 4 Drawer Unit, ESD, RAL 7035 light grey colour	Mobile storage that can situate under the CalBench.
6	2	8060	Process Calibrator and Control Centre Module Integral process calibrator with source & measure, PC with 12.1 " touch screen interface. 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.
7	2	RMTEG-G7b/0.02	Digital Pressure Gauge Module with Regulator 0 to 7 bar (100 psi), 0.02 % FS accuracy.	For pneumatic calibration work from 0 to 7 bar (100 psi), input from an external air supply (9 bar / 130 psi). Can be used manually with a hand pump also (measure mode).
8	2	7057	Adjustable DC Power Supply Module 60 V DC 1.5 A.	A variable DC supply to supplement various applications.
9	2	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.
10	2	8100	Instrumentation Test Stand	For positioning of UUTs like transmitters & gauges on benchtop.
11	2	7161-VLP	Dual Port Benchtop Manifold with Vernier For Pneumatic use from vacuum to 40 bar (600 psi).	Compact pneumatic manifold that provides two output ports. Hand-tight connectors for pressure instrumentation under test.
12	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.