



Time Electronics
Calibration, Test and Measurement

CalBench

Pressure Modules
Short Form





Pressure Modules

Pressure calibrators, indicators, and controllers



7062 Pressure Calibrator with Regulator 7059 Vacuum and Pressure Calibrator

Regulated pneumatic pressure modules that are simple operation and high accuracy. The 7062 is pressure only, the 7059 is a combined vacuum and pressure calibrator.

- 7062 – Regulated low pressure: Vacuum, 0.2, 2, 5, 10, or 20bar versions
- 7059 – Dual Module with regulator: Vacuum plus 0.2, 2, 5, or 10bar versions

Range (bar)	Vacuum	0.2	2	5	10	20
Accuracy (% of fs)	0.04	0.1	0.04	0.04	0.04	0.04
Resolution	.0001	0.01mbar	.0001	0.001	0.001	0.001

- 4.5 digit display
- 5 selectable pressure units
- Quick release fittings
- < 70ppm/°C temperature coefficient
- Over pressure warning
- Integrates with EasyCal software



7064 High Pressure Calibrator with Regulator

For pneumatic pressure calibration with versions available up to 200bar. Output pressure is controlled by a non-relieving type regulator, with bleed and block needle valves used to vent and isolate the output port. Common applications include testing pressure gauges and sensors.

Range (bar)	35	70	100	200
Accuracy (% of fs)	0.04	0.04	0.04	0.1
Resolution	0.01	0.01	0.01	0.01

- 4.5 digit display
- 5 selectable pressure units
- Minimes fittings
- < 70ppm/°C temperature coefficient
- Over pressure warning
- Integrates with EasyCal software



7066 Differential Pressure Calibrator

A precision module designed for very stable measurement of differential pressures between its two output ports, enabling the calibration of differential pressure gauges, transducers, and transmitters.

Range (bar)	Vacuum	0.2	2	5	10
Accuracy (% of fs)	0.04	0.1	0.04	0.04	0.04
Resolution	.0001	0.01mbar	.0001	0.001	0.001

- 4.5 digit display
- 5 selectable pressure units
- Quick release fittings
- 100ppm/°C temperature coefficient
- Over pressure warning
- Integrates with EasyCal software



7032 Semi-Automatic Pressure Calibrator

A pneumatic pressure module designed to speed up routine calibration of pressure gauges, indicators and pressure transmitters. The user presets the required calibration points, typically 0%, 25%, 50%, 75%, 100% of full scale. These pressures can be quickly switched to the output port manually or remotely via EasyCal.

Range (bar)	2	5	10
Accuracy (% of fs)	0.04	0.04	0.04
Resolution	.0001	0.001	0.001

- 4.5 digit display
- Pre-set 5 point calibration
- Quick release fittings
- < 70ppm/°C temperature coefficient
- 4 precision regulators
- Control and readback via EasyCal

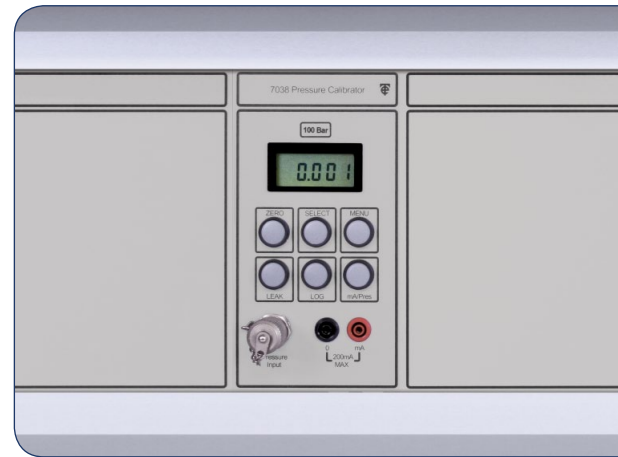


7038 Multifunction Pressure Indicator

A precision indicator modules with versions available up to 600bar. The 7038 has loop current measure, min/max logging (pressure & current), and leak rate display features. Fittings are quick release under 20bar and mininess from 35 to 600bar.

Range (bar)	Vac	0.2	2	5	10	20	35	70	100	200	400	600
Acc(% of fs)	0.04	0.1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.1	0.1	0.1
Resolution	.0001	0.01mb	.0001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.1	0.1

- 4.5 digit display
- Pneumatic or hydraulic input
- 9 selectable pressure units
- < 70ppm/°C temperature coefficient
- Over pressure warning
- Integrates with EasyCal software

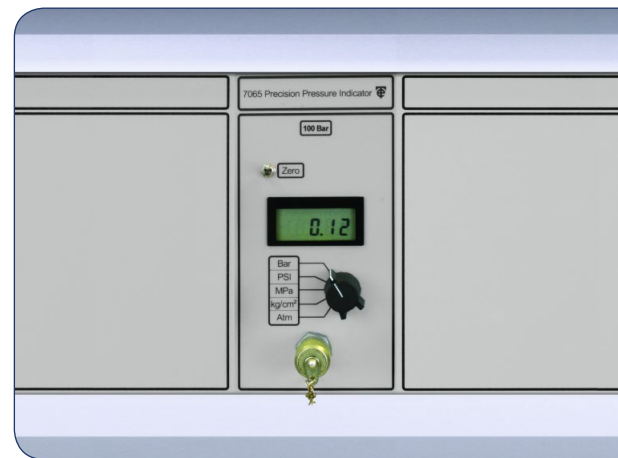


7065 Pressure Indicator

The 7065 is a precision indicator module that can be used for pressure or vacuum calibration. It is a simple operation module ideal for calibrating and cross-checking pressure gauges, sensors, transmitters, transducers, switches, and many other devices. Fittings are quick release under 20bar and mininess from 35 to 600bar.

Range (bar)	Vac	0.2	2	5	10	20	35	70	100	200	400	600
Acc(% of fs)	0.04	0.1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.1	0.1	0.1
Resolution	.0001	0.01mb	.0001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.1	0.1

- 4.5 digit display
- Pneumatic or hydraulic input
- 5 selectable pressure units
- < 70ppm/°C temperature coefficient
- Over pressure warning
- Integrates with EasyCal software



7084 Line Pressure Controller

The 7084 is used to provide adjustable regulated pressure for connection bench modules and external pressure devices. Incoming pneumatic line pressure is connected via the rear of the console, with output via the front panel port. The 63mm gauge displays the regulated line pressure.

- 5, 10, 20, 35, 70, 100, and 200bar versions available
- Pneumatic self-relieving regulator
- 63mm anti-shock analogue gauge
- Front panel output connection
- Needle isolation valve
- Quick test fittings
- Pneumatic input connection



Pressure Module Connectors, Kits, and Extras

A full range of accessories for pressure calibration and generation are available. These include bench fitted options, connection kits, and accompanying instruments and tools.

- Set of hoses/adaptors for connections to modules and pumps (7073)
- Mininess high pressure hose test kit (7097 shown)
- Air preparation and filtration kits
- Pneumatic and hydraulic calibration pumps (7090/7095, see page 24)
- Pneumatic and hydraulic dead weight testers (see page 24)
- Portable pressure calibrators for use outside the laboratory (see page 24)
- Line pressure tools – Compressors, vacuum pumps, boosters (see page 26)
- Customer specified modules and instruments (Time Electronics or 3rd party)





CalBench

Pressure Modules

Code	Description	Module Width
7062	Pressure Calibrator with regulator (Vac/0.2/2/5/10/20bar versions)	129mm
7059	Combined Vacuum/Pressure Calibrator (Vac and 0.2/2/5/10/20bar versions)	129mm
7064	High Pressure Calibrator with regulator (35/70/100/200bar versions)	200mm
7066	Differential Pressure Calibrator (0.2/2/5/10bar versions)	150mm
7032	Semi-Automatic Pressure Calibrator (2/5/10bar versions)	340mm
7038	Multifunction Pressure Indicator (Vac/0.2/2/5/10/20/35/70/100/200/400/600bar versions)	100mm
7065	Pressure Indicator (Vac/0.2/2/5/10/20/35/70/100/200/400/600bar versions)	96mm
7084	Line Pressure Controller (5/35/70/100/200bar versions)	150mm
7198	Multi Adaptors and Fittings Kit for connections to modules and pumps	
7073	Low pressure connection/adaptor kit (<20bar)	
7097	Minimess high pressure hose test kit	
7148	Air Preparation Kit (Mounted on bench rear under panel or specified by customer)	

Pressure option codes for 7062, 7059, 7064, 7066, 7032, 7038, 7066, and 7084:

Range (bar)	Vac	0.2	2	5	10	20	35	70	100	200	400	600
Option Code	7111	7100	7101	7102	7103	7104	7105	7106	7107	7108	7109	7110



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