



- 2, 5, or 10bar versions available
- Accuracy 0.04% of full scale
- Pneumatic with regulator
- Calibrate transmitters & transducers
- 4.5 digit display
- Pre-set 5 point calibration
- Over-pressure alarm
- RS-232 serial interface
- Control & readback via EasyCal

### DESCRIPTION

A pneumatic pressure module designed to speed up routine calibration of pressure transmitters and transducers. Features include a 4.5 digit LCD display, 5 pressure units, zeroing switch, regulated output, and vent button. Accuracy is 0.04% of range and a maximum display resolution is 0.005% of range. Line pressure must be provided via the input port on the rear of the console with quick release connection.

The 7032 allows the generation of 4 precision pressures that can be adjusted individually by front panel mounted regulators. Typically a 5 point calibration at 0%, 25%, 50%, 75%, and 100% of full scale can be used. These pressures can be quickly switched to the front panel output port either manually or via remotely generated RS-232 commands. Time Electronics EasyCal calibration software allows calibration procedures to provide the control signals required. If the 7032 is fitted in a bench with the 7051 bench control module the two RS-232 ports are internally connected to the 7051. EasyCal (installed as standard) then controls the regulator selection and can readback the displayed pressure output.

With EasyCal procedures can be quickly created for a variety of pressure devices. Calibration results are automatically stored on the 7051, and can be printed on demand. Closed loop calibration of pressure transducers can be fully automated by implementing transmitter readback using the 7051's internal digital multimeter.

The 7032 is an accurate and simple operation module suitable for rapid testing of pressure transmitters, transducers, and switches in process plants, offshore platforms, refineries, and many other on-site testing facilities.

### SPECIFICATIONS

Specifications are for 1 year at 23°C ±5°C. Accuracy includes linearity and long term effects. All accuracies are ±1 digit. For operation outside specified temperature range, apply 70ppm per °C

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

- Units ..... bar, PSI, kPa, kg/cm2, cmWg
- Maximum Line Pressure ..... 10bar for 2 and 5bar versions / 12bar for 10bar version
- Sensor ..... Piezo-resistive - stainless steel diaphragm
- Over Pressure Warning ..... 1.2 x range full scale - audio and visual (on LCD) warning
- Fittings ..... Quick Release
- Rear Connections ..... Quick Release
- Interfaces ..... 2 x RS-232. One for regulator control, one for readback
- Module Width ..... 340mm (primary or secondary console fitting)

### ORDERING INFORMATION

**7032** ..... **Automatic Pressure Calibrator Module** (+ pressure range code shown below)

Range (bar)	2	5	10
<b>Option Code</b>	<b>7101</b>	<b>7102</b>	<b>7103</b>

- ECFLA ..... EasyCal Calibration Software. See separate datasheet for further information.
- C178 ..... Factory Calibration Certificate (NPL traceable)
- C190 ..... UKAS Calibration Certificate (ISO 17025)

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.