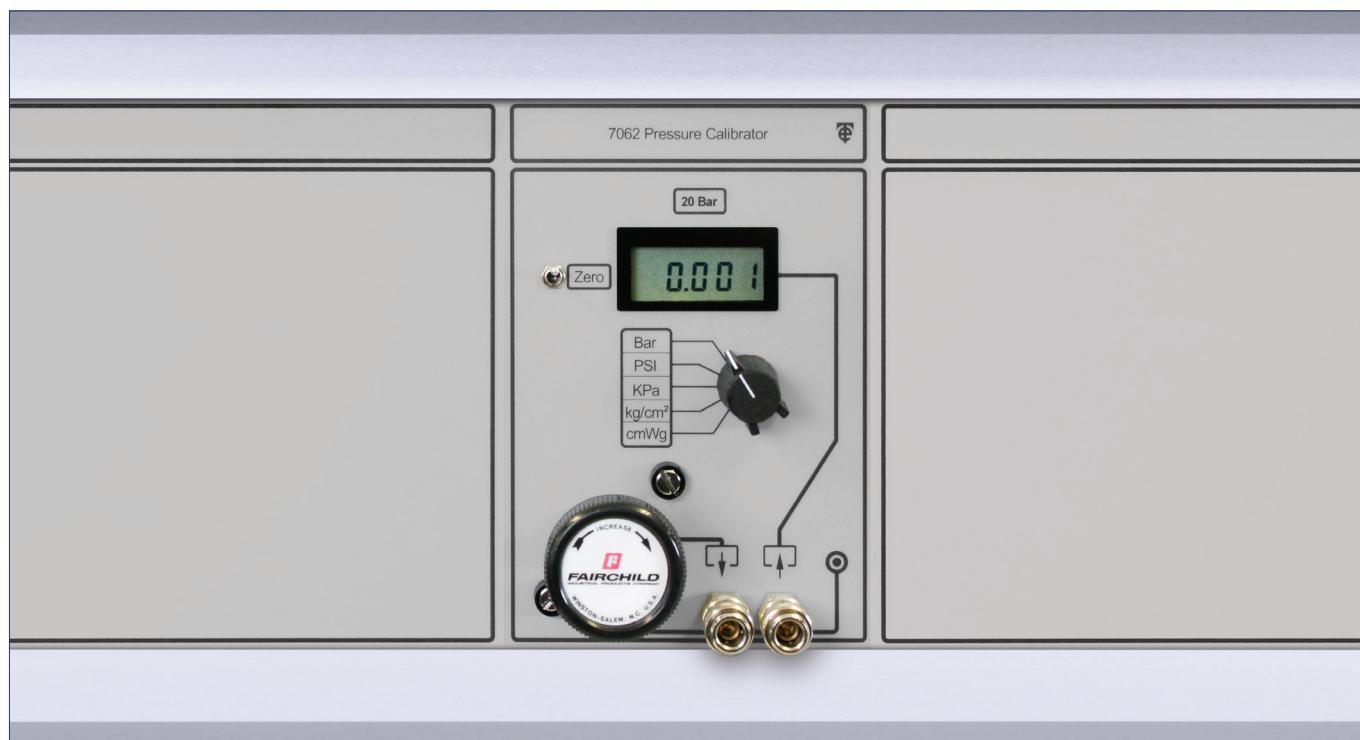## Time Electronics
### 7062 Pneumatic Pressure Calibrator Module



## Description

The 7062 is a practical pressure or vacuum calibration and control module. It can be used to output a precise pressure or vacuum that can be adjusted by a regulator, or provide accurate pressure measurement via the front panel port. There are six available versions according to required output range, either vacuum, 0.2, 2, 5, 10, or 20 bar.

The 7062 combines high accuracy with simple operation, and is the popular choice for test engineers performing pressure calibration applications under 20 bar. It is an easy to use module suitable for high volume work in process plants, offshore platforms, refineries, and many other on-site testing facilities. It is ideal for calibration and maintenance of pressure gauges, sensors, transmitters, transducers, indicators, switches, and more.

Features include a 4.5 digit LCD display, 5 pressure units, zeroing switch, regulated output as well as pressure measurement input. Basic accuracy is 0.04 % of full scale. Line pressure is supplied via an input port fitted on the rear of the console.

The module is fitted as standard with an RS-232 interface with internal communication to a control centre (standard with 8060 or 7051 if ordered). This enables readback with EasyCal calibration software. With EasyCal the user can define and perform pressure calibration procedures as well as create and print traceable calibration certificates.

## Features

- Vacuum to 20 bar versions available
- Accuracy 0.04 % of full scale
- Pneumatic with regulator
- Calibrate gauges, transmitters, sensors
- 4.5 digit display
- 5 selectable pressure units
- Over-pressure alarm
- RS-232 serial interface
- EasyCal software compatible

## Specifications

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

| Range (bar) | -0.95 to 0 | 0 to 0.2 | 0 to 2 | 0 to 5 | 0 to 10 | 0 to 20 |
|---|---|---|---|---|---|---|
| Accuracy (% of fs) | 0.04 | 0.1 | 0.04 | 0.04 | 0.04 | 0.04 |
| Resolution (bar) | .0001 | 0.01 mb | .0001 | 0.001 | 0.001 | 0.001 |

Units................................................................ 0.2 bar: mbar, PSI, kPa, kg/cm2, cmWg.
Vac, 2, 5, 10 & 20 bar: bar, PSI, kPa, kg/cm2, cmWg.

Maximum line pressure ..........................................10 bar for 0.2, 2, 5 bar versions .
12 bar for 10 bar version / 28 bar for 20 bar 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 or Minimess depending on pressure range

Rear connections ........................Quick Release or Minimess depending on pressure range

Interface........................................RS-232 for readback (internal to control centre if ordered)

Module width ................................................. 129 mm (primary or secondary console fitting)

## Ordering information

**7062........................... Regulated Pressure Calibrator Module**

| Range (bar) | Order Code |
|---|---|
| Vacuum | 7062/7111 |
| 0.2 | 7062/7100 |
| 2 | 7062/7101 |
| 5 | 7062/7102 |
| 10 | 7062/7103 |
| 20 | 7062/7104 |

ECFLA ..........................................EasyCal Calibration Software
C178 ...........................Traceable calibration certificate (Factory)
C190 ......................Accredited calibration certificate (ISO 17025)

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