



- Vacuum to 600bar versions available
- Best accuracy 0.04% of full scale
- Pneumatic or hydraulic input connection
- Less than 70ppm/°C temperature stability
- 4.5 digit display
- Up to 5 selectable engineering units
- Over-pressure alarm
- RS-232 serial interface
- EasyCal software compatible

DESCRIPTION

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, indicators, switches, and many other devices. The following versions are available; Vacuum, 0.2, 2, 5, 10, 20, 35, 70, 100, 200, 400, or 600bar.

The display is 4.5 digit LCD and pressure can be displayed in any of five popular engineering units (Bar, PSI, kPa, Mpa, inWg, cmWg, inHg, mmHg, Kg/cm², atm, specify 5 on ordering). Basic accuracy is 0.04%.

The module is fitted as standard with an RS-232 interface situated on the rear of the CalBench console. This enables communication and readback with EasyCal calibration software (supplied as standard with the 7051 multifunction calibrator/control centre module). With EasyCal the user can define pressure calibration procedures and create and print traceable calibration certificates.

For input pressure external pumps are available. The 7090 pneumatic (-950mbar to 40bar), 7095 hydraulic (0 to 700bar) hand pumps or the 7194 benchtop pneumatic pump (0.95bar vacuum to 120bar) are ideal for this purpose.

SPECIFICATIONS (*High accuracy available for 200, 400, and 600bar versions, specify range code + HA on order)

Range (bar)	Vac	0.2	2	5	10	20	35	70	100	200	400	600
Accuracy (% of fs)	0.04	0.1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.1 (0.05*)	0.1 (0.05*)	0.1 (0.05*)
Resolution (bar)	.0001	0.01mb	.0001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.1	0.1

Temperature Stability	Less than 70ppm per °C
Linearity	0.02% of full scale
Units	bar, PSI, kPa, MPa, inWg, cmWg, inHg, mmHg, Kg/cm ² , atm (5 units only, specify on order)
Maximum Pressure	2 x range, 1.5 x range for 20bar and above versions
Sensor	Piezo-resistive - stainless steel diaphragm
Over Pressure Warning	1.2 x range full scale - audio and visual (on LCD) warning
Fittings	Minimess (> 20 bar) and Quick Release (< 20 bar)
Interface	RS-232 for readback (using EasyCal on 7051 if ordered)
Module Width	96mm (primary or secondary console fitting)

ORDERING INFORMATION

7065 **Pressure Indicator Module** (+ pressure range code & 5 pressure units – shown below)

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 (HA)	7109 (HA)	7110 (HA)
Select 5 Units	bar, PSI, kPa, MPa, inWg, cmWg, inHg, mmHg, Kg/cm ² , atm											

ECFLA	EasyCal Calibration Software. See separate data sheet for further information.
Pumps	7090 / 7095 / 7194: See separate data sheets for 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.