



- **35, 70, 100, and 200bar versions available**
- **Best accuracy 0.04% of full scale**
- **Pneumatic with regulator**
- **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 7064 is a high pressure calibration and control module designed for applications up to 200bar. It is fitted with a self-relieving regulator, two needle valves and a dual function front panel pressure port for precision output and measurement. The pneumatic supply connection (minimess fitting) is located on the rear of the bench console and is suitable for input via gas bottle or pump. There are four available versions, and the module is built according to the customer's required range, either 35, 70, 100, or 200bar.

The 7064 combines high accuracy with simple operation and is 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 with 5 selectable pressure units, regulated output, vent control, and a front panel zero switch. Best accuracy is 0.04% of range and a maximum display resolution is 0.005% of range. Both input and output connections are minimess high pressure type.

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.

SPECIFICATIONS

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

Temperature Stability	Less than 70ppm per °C
Linearity	0.03% of full scale
Units	bar, PSI, kPa, MPa, inWg, cmWg, inHg, mmHg, Kg/cm ² , atm (5 units only, specify on order)
Maximum Line Pressure	1.5 x range
Sensor	Piezo-resistive - stainless steel diaphragm
Over Pressure Warning	1.2 x range full scale - audio and visual (on LCD) warning
Fittings	Minimess
Rear Connections	Minimess
Interface	RS-232 for readback (using EasyCal on 7051 if ordered)
Module Width	200mm (primary or secondary console fitting)

ORDERING INFORMATION

7064 **High Pressure Calibrator Module** (+ pressure range code & 5 pressure units – shown below)

Range (bar)	35	70	100	200
Option Code	7105	7106	7107	7108
Select 5 Units	bar, PSI, kPa, MPa, inWg, cmWg, inHg, mmHg, Kg/cm ² , atm			

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.