



Time Electronics

7042 Remote Pressure Module



- 0.2, 2, 5, 10, 20bar versions
- Vacuum to -1bar available on 2bar version
- 0.04% basic accuracy
- USB powered for use with PC/Laptop/5051
- 9 engineering units
- Data logging feature
- <0.005% per °C temperature stability
- EasyCal software compatible
- Supplied with readback software

DESCRIPTION

A pocket sized USB powered pressure module suitable for workshop, laboratory and field use. Pressure is read back on screen using the interactive PC software supplied. A data logging feature allows the user to record and store pressure readings as required. Alternatively EasyCal calibration software can be used. Pressure ranges are 0.2, 2, 5, 10 and 20 bar, with vacuum available on the 2bar version.

SPECIFICATIONS

Pressure Ranges Available	0.2, 2, 5, 10, or 20bar (select 1 range on ordering)
Vacuum	Available on 2bar range. Measures vacuum to - 1bar
Accuracy	0.04% of range +/- 1 digit (0.2bar version: 0.1% +/- 1digit)
Resolution	4.5 digit (0.2bar ver 3.5 digit)
Temperature Stability	Less than 0.005% per °C
Sensor	Piezoresistive
Pressure connection	1/8" BSP female in stainless steel manifold
Overpressure	3 x full scale, or 35 bar, 1.2 x FS sounds alarm
Wetted parts	Stainless steel & silicon (contaminated media version - stainless steel only)
Units	Bar, PSI, Kg/cm ² , inHg, mmHg, cmWg, inWg, kPa, Atm
Power	USB powered – 50mA
Operating temp	0 to 50°C
Storage temp	-10 to 60°C
Dimensions / Weight	157 x 90 x 33mm (6 x 3.5 x 1.2"). Weight: 0.29kg (10oz)
Options	7090 pneumatic pump, Calibration certificates, EasyCal software
Supplied with	Pneumatic fittings kit, Software CD, USB lead, carry case, and user manual

ORDERING INFORMATION

7042 **USB Remote Pressure Module: 7042/71xx/C or A** (pressure range code as shown below)

Range (bar)	0.2	2	5	10	20
Option Code	7100	7101	7102	7103	7104
<i>For contaminated media version add /C. For absolute pressure sensor add /A</i>					

7090	Pneumatic Hand Pump (-950mbar to 40bar). See separate datasheet for options.
ECFLA	EasyCal Calibration Software. See separate datasheet for further information.
C185	Factory (NPL Traceable) Calibration Certificate
C196	UKAS Calibration Certificate (ISO 17025)

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

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