



Description

A high-performance digital pressure gauge for vacuum to 40 bar (600 psi) measurement. The robust design means that it can be used in critical environments where it is necessary to measure with accuracy, reproducibility, long-term stability and protection against dust. Accuracy is 0.2 % of full scale, and features include easy to use controls and an RS-232 port situated on the rear of the unit.

The TEG-CV40b/0.2 can be used in various applications including field gauge calibration, safety valve testing, and pressure regulator checking. It can accompany the 7090 handheld pressure pump, making a compact field pressure calibration kit, or be used with the 7193 pneumatic benchtop pump in the lab for reference calibration. It covers the full range of both pumps.

Specifications

Range	-1 to 40 bar (-15 to 600 psi).
Accuracy	0.2 % FS.
Pressure Units	kPa, Kgf/cm2, inHg, mmHg, PSI, mbar, bar, MPa
Over pressure warning	120 %
Measure speed	0.2 - 10 Readings per second, user settable
Display	LCD with backlight, pressure values displayed up to 5 digits with 15 mm character height and analogue dial graph 25 mm wide
Resolution	5 digits
Analogue dial graphic	Includes pressure swing, % indication, low/high alarm
Peak detection	Maximum and minimum peak values can be displayed.
Ambient temperature measurement	From -10 °C to 50 °C, resolution 0.1 °C.
RS-232 Interface	DB9. EasyCal software compatible.
Pressure Port	1/4 " G BSP male thread (1/4 " NPT optional)
Environmental	Operating temperature: -10 °C to 50 °C (14 °F to 122 °F) Compensation temperature: -10 °C to 50 °C (14 °F to 122 °F) Storage temperature: -20 °C to 70 °C (-4 °F to 158 °F) Relative humidity: < 95 %
Power	Battery: 1x 9 V alkaline battery (included). Battery life: 300 hours (10 readings/sec), 6000 hours (1 reading/10sec). Power auto-off: 60 minutes power auto-off, can be disabled by user. 9 V 5.5 x 2.1 mm External power socket.
Materials	Case material: Aluminium alloy. Wetted parts: 316SS.
Dimensions/Weight	Display head only: 112x40 mm, Total height: 178 mm. Weight: 580 g.

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

Features

- -1 bar vacuum to 40 bar (-15 to 600 psi)
- Accuracy 0.2 % of full scale
- Easy to read display with 5 digit resolution
- Analogue dial for % pressure indication
- Unique self-protection capability technology
- 3 times per second measure speed
- Suitable for field calibration applications
- Ideal for use with the 7090 and 7193 pumps
- Removable protective rubber cover

Ordering information

TEG-CV40b/0.2 (7091)	Digital Pressure Gauge (Vacuum to 40 bar, 0.2 % accuracy, 1/4 " BSP thread)
TEG-CV40b/0.2-NPT (7091-NPT)	Digital Pressure Gauge (Vacuum to 40 bar, 0.2 % accuracy, 1/4 " NPT thread)

Options

9804	Carry case (up to 4 pc gauges)
9805	110 V/220 V external power adaptor (DC 9 V)
C202	Traceable calibration certificate (Factory)
C203	Accredited calibration certificate (ISO 17025)
7090	Handheld Pneumatic Calibration Pump (Vac to 40 bar)
7193	Benchtop Pneumatic Calibration Pump (Vac to 40 bar)