



Time Electronics

7091 Digital Pressure Gauge



- Vacuum to 40bar
- Accuracy 0.2% of full scale
- Up to 5000 hours battery life
- Easy-to-read display with 5 digit resolution
- Unique self-protection capability technology
- 3 times per second measure speed
- Suitable for field gauge calibration
- Ideal for use with the 7090 pneumatic pump

DESCRIPTION

The 7091 is a high-accuracy and high-resolution digital pressure and vacuum gauge. The robust design means that it meets stringent demands and can be used in critical industrial applications. The 7091 provides the solution for users requiring measuring accuracy, reproducibility, long term stability, and protection against dust penetration. It can be used in various applications including field gauge calibration, safety valve testing, pressure regulator checking, burst disc testing and many more.

SPECIFICATIONS

Range	Vacuum to 40bar
Accuracy	0.2% of fs (including non-linearity, hysteresis, repeatability & temperature effects for 20°C ± 3°C)
Pressure Units	Pa, kPa, Kg/cm ² , inHg, mmHg, PSI, mbar, bar, MPa
Over pressure warning	120%
Measure speed	(0.2~10) times per second, default is 3 times/s
Display	5 digits with 12.7mm character height
Resolution	Maximum five digits
Pressure bar Graph	In addition to the numeric pressure indication LCD display contains a circular fifty-one segment bar graph to provide the user with a quick visual estimation of pressure from 0 to 100% full scale output.
Analogue Dial	Includes pressure swing, % indication, low/high alarm
Minimum/Maximum Values	The minimum and maximum pressure values can be displayed. This function can be enabled or disabled, and reset by the user.
Alarm Output	The alarm output is consisted by open drain field effect transistors.
European Compliance	CE marked
RS232 Interface	DB9, environmentally sealed
Pressure Port	1/4" BSP
Ambient Environment	Operating & compensation: -10°C to 50°C. Storage Temp: -20°C to 70°C. Relative humidity: < 95%. Atmospheric pressure: 0.86~1.06 bar
Power	The instrument is powered by a 3.6V alkaline battery
Dimensions/Weight	Display head only: 112mm×40mm, Total height: 178mm. Weight: 580g.

ORDERING INFORMATION

7091	Digital Pressure Gauge (Vacuum to 40bar, 0.2% Accuracy)
C202	Factory Calibration Certificate (NPL traceable)
C203	UKAS Calibration Certificate (ISO 17025)

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

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