



# Time Electronics

## 7096 Digital Pressure Gauge



- Pressure up to 700bar
- 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 7095 hydraulic pump

### DESCRIPTION

The 7096 is a high-accuracy and high-resolution digital pressure gauge. The robust design means that it meets stringent demands and can be used in critical industrial applications. The 7096 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 .....	0 to 700bar
Accuracy .....	0.2% of fs (including non-linearity, hysteresis, repeatability & temperature effects for 20°C ± 3°C)
Pressure Units .....	kPa, Kg/cm <sup>2</sup> , inHg, PSI, 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

<b>7096</b> .....	<b>Digital Pressure Gauge (0 to 700bar, 0.2% Accuracy)</b>
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.

Time Electronics Ltd, Unit 11 Sovereign Way, Botany Industrial Estate, Tonbridge, Kent, TN9 1RH. United Kingdom.

T: +44 (0) 1732 355993 F: +44 (0) 1732 770312 E: mail@timeelectronics.co.uk

[www.timeelectronics.com](http://www.timeelectronics.com)

v1a 11/7/11