7096: TEG-G700b/0.2 Digital Pressure Gauge

Description
A high-performance digital pressure gauge for 0 to 700 bar (10,000 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-G700b/0.2 can be used in various applications including workshop and field calibration of pressure instrumentation such as analogue gauges and transmitters. It is suitable for use with the 7095 handheld hydraulic pump, making a compact field pressure calibration kit, or be used with the 7195 hydraulic benchtop pump in the lab for reference calibration. It covers the pressure range of both pumps (700 bar).

Specifications
- Range: 0 to 700 bar (10,000 psi)
- Accuracy: 0.2 % FS
- Pressure Units: kPa, Kg/cm², inHg, PSI, 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
- 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 (14 °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
- Case material: Aluminium alloy. Wetted parts: 316SS
- Dimensions/Weight: Display head only: 112 x 40 mm, Total height: 178 mm, Weight: 580 g.

Features
- 0 to 700 bar (10,000 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 7095 and 7195 pumps
- Removable protective rubber cover

Ordering information
TEG-G700b/0.2 (7096) ................................................. Digital Pressure Gauge
0 to 700 bar, 0.2 % accuracy, 1/4 " BSP thread
TEG-G700b/0.2-NPT (7096-NPT) ............................... Digital Pressure Gauge
0 to 700 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)
- 7095 ................................................................. Handheld Hydraulic Calibration Pump (0 to 700 bar)
- 7195 ................................................................. Benchtop Hydraulic Calibration Pump (Vac to 700 bar)

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