Description

A high performance digital pressure gauge that has the ability to auto-range and maintain a 0.1 % of reading accuracy from vacuum to 200 bar. The 7078 eliminates the need for multiple gauges to span many different ranges, solving the problem of over ranging errors. Both users and companies benefit by replacing several gauges with the 7078, with less maintenance and calibration required, saving both downtime and excessive costs.

In addition to precision the 7078 is designed for arduous use with shock proof componentry and an integrated rubber casing for increased durability. This makes the gauge ideal for laboratory and field calibration work. To complement the gauge Time Electronics offer a range of pressure pumps. These include the 7090 and 7095 hand pumps, and the 7194 benchtop pneumatic pump. The 7078 can also be used with pressure calibrators.

Specifications

Range ................................................................. Vacuum to 200 bar (3000 psi) auto-ranging.
Accuracy ........................................ 0.1 % of reading, ± 0.01 % of full scale, ± one least significant digit.
Pressure units ...................................... psi, kPa, mmHg, inHg, inH20, mmH20, kg/cm², BarAbsolute, psi Absolute, mBar Absolute, mmHg Absolute, Bar, mBar.
Sensors ................................................................. Multiple piezo resistive sensors.
Pressure reading capability ............................................... Gauge and absolute pressure.
Protection ......................................... Rugged, shock-proof design (protective rubber housing as standard) Setback thread protects the port from damage in the event the unit is dropped.
Display ................................................................. Easy to read backlit mono display with full 1 line alphanumerics.
Process connection ......................................................... ¼” NPT Male.
Materials ................................................................. Stainless steel connection, rubber housing, AA batteries (3).
Power ................................................................. Powered by 3 AA batteries with 500 hours of rated battery life.
Dimensions ................................................................. H 165 x W 115 x D 55 mm.
Weight ......................................................................... 0.88 kg.

Features

• Vacuum to 200 bar (3000 psi)
• Accuracy 0.1 % of reading
• 9 engineering units
• High accuracy silicone piezo resistive sensors
• Reads both gauge and absolute pressure
• Easy to read backlit display
• Robust with protective rubber housing
• Ideal for use with TE calibration pumps

Ordering information

7078 ........................................ Auto-Ranging Digital Pressure Gauge (Vacuum to 200bar)
C204 ................................ Traceable calibration certificate (Factory)
C205 ................................ Accredited calibration certificate (ISO 17025)

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