



Description

A range of compact pressure compressor pumps for supplementing calibration benches and pressure instruments. Primarily designed for use with the 8030 pressure controller, 7165 models can be used to create a fully automated pressure calibration system. This removes the requirement for nitrogen cylinders or bulky high pressure compressors.

Four versions are available with pressure generation up to 70 bar. Each unit is supplied pre-configured to the controller or calibrator they are supplementing, enabling quick and easy set up by the end user. This works by pre-setting the 7165 pressure to approximately 110 % above the controller line pressure requirement. Once connected, the pump can be started in two button presses to reach the pressure set point.

In addition to the standard transportable 7165 models, a CalBench integrated version is available. This solution situates the pump inside the CalBench console to create a self-sufficient pressure system. It is ideal for CalBenches used in small workshops or containers. CalBench integrated versions do not feature a panel display, but are operated via a virtual control software application on the control centre module.

Ordering Information

- 7165/G17b Pressure Compressor/Pump (0 to 17 bar)
- 7165/CV17b Pressure Compressor/Pump (-0.8 to 17 bar)

- 7165/G35b Pressure Compressor/Pump (0 to 35 bar)
- 7165/CV35b Pressure Compressor/Pump (-0.8 to 35 bar)

- 7165/G50b Pressure Compressor/Pump (0 to 50 bar)
- 7165/CV50b Pressure Compressor/Pump (-0.8 to 50 bar)

- 7165/G70b Pressure Compressor/Pump (0 to 70 bar)
- 7165/CV70b Pressure Compressor/Pump (-0.8 to 70 bar)

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

Features/Specifications

- Compact electric pressure pump suitable for use with the 8030 pressure controller or CalBench systems
- 7165/G17b: 0 to 17 bar. 7165/G35b: 0 to 35 bar
7165/G50b: 0 to 50 bar. 7165/G70b: 0 to 70 bar
- Oil free system, provides clean air with no need for external filters
- Front panel display for modifying pressure output and maintenance
- RS-232 communication with virtual control application included for PC or laptop control
- Power supply: 100 to 240 V AC 50/60 Hz
- Operation temperature range: 10 to 50 °C
- Output connection: 1/8 " Female BSP with fitting as specified.
- Relative humidity: 0 to 90 % RH
- Resolution: 1 psi, 0.1 bar, 0.1 kgf/cm²
- Accuracy: 0.5 % FS
- Dimensions: L 280 x H 330 x W 210 mm
- Weight: 17b & 35b models: 8 kg. 50b & 70b models: 12 kg

