



Description

The 7161-VLP is a compact pneumatic manifold that provides two output ports with handtight connectors for pressure instrumentation under test. The unit can be used for pneumatic pressure calibration from vacuum to 40 bar (600 psi). Features include an anodized aluminium manifold block and a vernier for fine control of the pressure being input to the manifold. The vernier is commonly used with a regulated pressure source to achieve set pressures for calibration applications.

The manifold is fitted with two hand-tight quick connectors that allow users to connect devices for test quickly and easily, without the use of wrenches or PTFE tape. The pressure input port is situated on the rear side of the manifold block, to enable connection to a contamination trap, regulated pressure input or CalBench module (RMTEG for example).

The 7161-VLP is ideal to complement Time Electronics calibration benches when regulated pneumatic pressure modules are fitted in the consoles. The manifold provides an ergonomic and simple set up for positioning pressure gauges, transmitters and other pressure devices for testing on the CalBench. It can also situate on the 8100 instrumentation test stand.

Thread configurations are selectable upon request. Standard models have output ports with 2 x 1/4" BSP female (7161-VLP) or 2 x 1/4" NPT (7161-VLP-NPT). Other threads are available, and manifolds can be built with a combination, for example 1 x 1/4" NPT and 1 x 1/2" NPT.

Specifications

- Pressure** Pneumatic, for use from -1 to 40 bar (-15psi to 600psi).
- Materials** Anodized aluminium manifold block, steel quick connectors, aluminium/brass vernier, nitrile rubber seals, steel base stand (RAL 7035 grey) with polyurethane feet.
- UUT quick connections** Finger-tight connectors (2 on top).
- UUT connection thread** 1/4" BSP or 1/4" NPT (1/2" BSP, 1/2" NPT, M20 optional).
- Input connection** On rear side of base (minimess or optional), hose supplied.
- Vernier** For fine control, dual action with coarse knob and fine dial.
Setting resolution: Better than 1 mbar. Adjustment range depends on the pressure setting and volume in the system.
- Dimensions** Total: W 275 x D 200 x H 130 mm (including feet and ports).
- Weight** 2 kg.

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

Features

- Dual port benchtop pressure manifold
- Suitable for vacuum to 40 bar (600 psi) use
- Compact for benchtop or field work
- Hand-tight quick connectors
- Vernier for precision adjustment of pressure to UUT
- Suitable for use with regulated pressure sources
- Supplied with connection hose
- Ideal for use with CalBench RMTEG modules
- Robust and ergonomic design



Ordering Information

- 7161-VLP** Dual Pressure Calibration Manifold with Vernier (1/4" BSP ports, pneumatic, vacuum to 40 bar)
- 7161-VLP-NPT** Dual Pressure Calibration Manifold with Vernier (1/4" NPT ports, pneumatic, vacuum to 40 bar)