



Description

The 7161 is a compact pneumatic manifold that provides two output ports with hand-tight connectors for pressure instrumentation under test. The unit can be used for pneumatic pressure calibration from vacuum to 200 bar (3000 psi). Features include an anodized aluminium manifold block, two UUT ports, one input port, and one extension port. The extension port can be connected to a hose for UUT's that cannot be mounted on top of the manifold, or to connect multiple 7161's, meaning batch pressure testing is possible.

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 side of the manifold block, to enable connection to a contamination trap, pressure controller, calibrator or CalBench module.

The 7161 is ideal to complement Time Electronics CalBenches when pneumatic pressure modules are fitted. The manifold provides an ergonomic and simple set up for positioning pressure gauges, transmitters and other pressure devices for testing on the bench.

Thread configurations are selectable upon request. Standard models have output ports with 2 x 1/4" BSP female (7161) or 2 x 1/4" NPT (7161-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.

Additional versions include the 7161-VNT that features a vent valve, and the 7161-VLP that has a vernier to enable fine pressure adjustment on the manifold. Custom versions are available, including hydraulic models, single port versions and multi-port configurations.

Specifications

Pressure	Pneumatic, for use from -1 to 200 bar (-15psi to 3000psi).
Materials	Anodized aluminium manifold block, steel quick connectors, 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/extension ports	2 x minimess 1620 test points, 1 on each side of manifold. Either port can be used for pressure input or extension. Hose supplied.
Dimensions	Total: W 275 x D 140 x H 130 mm (including feet and ports).
Weight	1.7 kg.
Additional Versions	7161-VNT: Vent valve version / 7161-VLP: Vernier version. Max. 40 bar use, models do not feature extension port.

Features

- Dual port benchtop pressure manifold
- Suitable for vacuum to 200 bar (3000 psi) use
- Compact for benchtop or field work
- Hand-tight quick connectors
- Suitable for use with pumps and gauges
- Supplied with connection hose
- Ideal for use with CalBench modules
- Robust and ergonomic design
- 7161-VNT: Vent valve version (40 bar / 600 psi max.)
- 7161-VLP: Vernier version (40 bar / 600 psi max.)

Ordering Information

7161	Dual Pressure Calibration Manifold (1/4 " BSP ports, pneumatic, vacuum to 200 bar)
7161-NPT	Dual Pressure Calibration Manifold (1/4 " NPT ports, pneumatic, vacuum to 200 bar)
7161-VNT	Dual Pressure Manifold with Vent Valve (1/4 " BSP ports, pneumatic, vacuum to 40 bar)
7161-VNT-NPT	Dual Pressure Manifold with Vent Valve (1/4 " NPT ports, pneumatic, vacuum to 40 bar)
7161-VLP	Dual Pressure Manifold with Vernier (1/4 " BSP ports, pneumatic, vacuum to 40 bar)
7161-VLP-NPT	Dual Pressure Manifold with Vernier (1/4 " NPT ports, pneumatic, vacuum to 40 bar)

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