



## 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 and a bleed valve to vent pressure when required.

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, pressure controller, calibrator or CalBench module.

The 7161 is ideal to complement Time Electronics calibration benches when 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) 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.

In addition to the 7161 pneumatic type, hydraulic manifolds are available for use to 700 bar. Single port versions and custom multi-port configurations are also available upon request.

## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Pressure</b> .....              | Pneumatic, for use from -1 to 200 bar (-15psi to 3000psi).  |
| <b>Materials</b> .....             | Anodized aluminium manifold block, steel quick connectors, stainless steel bleed valve assembly, nitrile rubber seals, steel base stand (RAL 7035 grey) with polyurethane feet. |
| <b>UUT quick connections</b> ..... | Finger-tight connectors (2 on top).   |
| <b>UUT connection thread</b> ..... | 1/4" BSP or 1/4" NPT (1/2" BSP, 1/2" NPT, M20 optional).  |
| <b>Input connection</b> .....      | On rear side of base (minimess or optional), hose supplied.   |
| <b>Bleed Valve</b> .....           | On front side of manifold block, stainless steel with knurled knob.   |
| <b>Dimensions</b> .....            | Total: W 275 x D 140 x H 130 mm (including feet and ports).   |
| <b>Weight</b> .....                | 1.7kg.  |

*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 200 bar (3000 psi) use
- Compact for benchtop or field work
- Hand-tight quick connectors
- Vent valve to bleed pressure when required
- Suitable for use with pumps and gauges
- Supplied with connection hose
- Ideal for use with CalBench modules
- Robust and ergonomic design



## Ordering Information

|                       |   |
|-----------------------|---|
| <b>7161</b> .....     | <b>Dual Pressure Calibration Manifold</b><br>(1/4" BSP ports, pneumatic, vacuum to 200 bar) |
| <b>7161-NPT</b> ..... | <b>Dual Pressure Calibration Manifold</b><br>(1/4" NPT ports, pneumatic, vacuum to 200 bar) |