

## Description

The 8100 is a multi-purpose test stand, primarily for use with process instrumentation in the workshop or lab. It is a compact workstation that provides users with quick and customisable setups for common testing applications and service work. These include practical mounting of various pressure transmitters and gauges, temperature transmitters, RTDs and thermocouples.

A solid aluminium track plate situates on a non-slip rubber mat, providing a sturdy base for working with heavy transmitters and other devices. The base allows the fixtures and tools to be easily connected, with knurled knob thumb screws and clamps to secure them in place. The fixtures can slide back and forth along the tracks for an optimal working position. They can also be removed and repositioned as per user preference.

An upright support with clamp mechanism can be used to hold poles (2 supplied) either vertically or horizontally, for u-bolt transmitter mounting. The clamp mechanism features a front and rear section for this purpose (rear: vertical, front: horizontal). These clamp sections have step jaws that are tightened with cylinder bolts. An electric screwdriver is supplied to speed up the setup process. The clamp jaws are also utilised for direct mounting of instrumentation, or for holding angle brackets that connect to transmitters.

A compact single port pressure manifold connects to the base track with a clamp fitting to enable positioning as required. It features a hand-tight connector for the UUT side. A dual port version is optional. Models for pneumatic and hydraulic work are also available.

The 8100 is supplied as a comprehensive kit with tools and fixtures for a variety of tasks. Tools include 3 adjustable spanners, electric screwdriver, bit set, folding triangle hex key set, and cable tie set. Additional fixtures are provided to connect to the base plate and the upright clamp sections.

## Kit Contents/Details

<b>Base plate</b> .....	Cast aluminium, 400 x 400 mm T-slot plate, 9 kg. Connection to base via knurled knob screws, into T-slot nuts.
<b>Non-slip mat</b> .....	600 x 500 mm, wide ribbed.
<b>Upright support</b> .....	Connects to base plate, features fittings tray, perforated sides with pre-fitted holders for pole storage and tool hanging. Clamp mechanism connects to upright with height adjustment. 2x poles supplied, Ø 50 mm.
<b>Mounting brackets</b> .....	Angle bracket and multi-hole bracket supplied.
<b>Single port manifold</b> .....	Connects to base plate, suitable for pneumatic vacuum to 200 bar. Hand-tight connector for UUT - 8100: 1/4 BSP. 8100-NPT: 1/4" NPT. Input connection: minimess (hose supplied).
<b>Quick vice</b> .....	Connects to base plate, fast close mechanism with quick fit and trigger action. Soft jaws with rubber pads. Clamping force: 180kg. Clamping capacity: 110mm. Table mounting clamps supplied for use off the base plate.
<b>Retort rod</b> .....	Connects to base plate, H500 mm, Ø 10 mm, with boss head connection and 3 prong clamp with rubber jaws.
<b>Tools</b> .....	3 adjustable spanners (150, 200 and 250 mm), electric screwdriver, 33 pc bit set, 9 pc folding triangle hex key set, and cable tie set.

## Features

- Multi-purpose test stand for process instrumentation
- Configurable solution with track base on rubber mat
- 2 transmitter fixing poles for U-bolt connections
- Vertical and horizontal pole positioning, height adjustable
- Pressure manifold with hand-tight quick connection
- Quick-vice with sliding jaw and one handed lever arm
- Upright support with clamp mechanism
- Easy to configure as per user requirements
- Clamping section can be used for direct mounting of UUTs, angle brackets .
- Tools supplied include electric screwdriver, bit set  
3 adjustable spanners, hex key set and cable ties
- Additional fixtures and fittings for customised mounting setups
- Retort rod with 3 prong clamp for holding temperature sensors, RTDs, thermocouples

## Ordering information

<b>TXG-STD (8100)</b> .....	<b>Instrumentation Test Stand</b> (Complete kit with 1/4 BSP manifold and hoses)
<b>TXG-STD-NPT (8100-NPT)</b> .....	<b>Instrumentation Test Stand</b> (Complete kit with 1/4" NPT manifold and hoses)

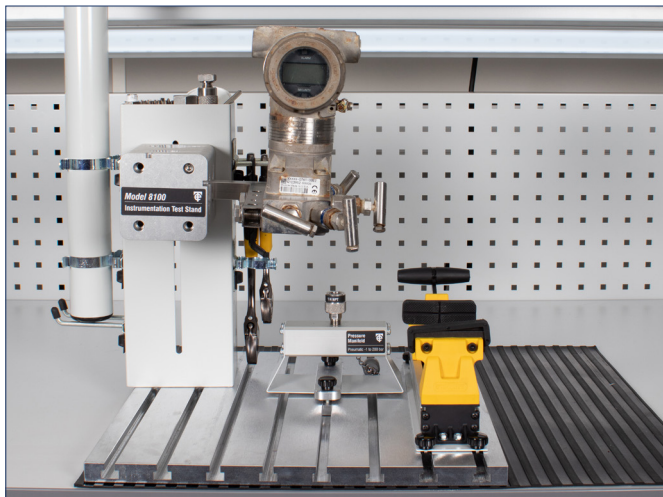
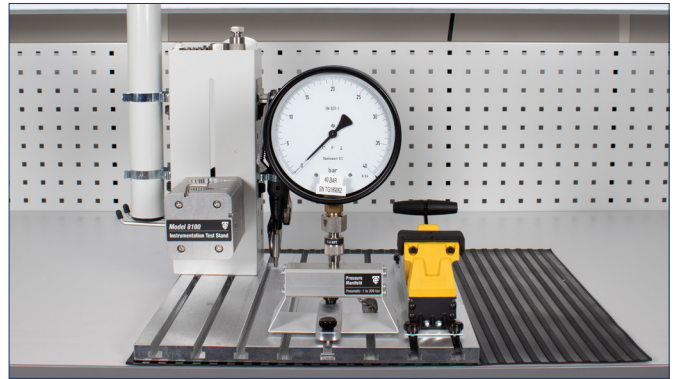
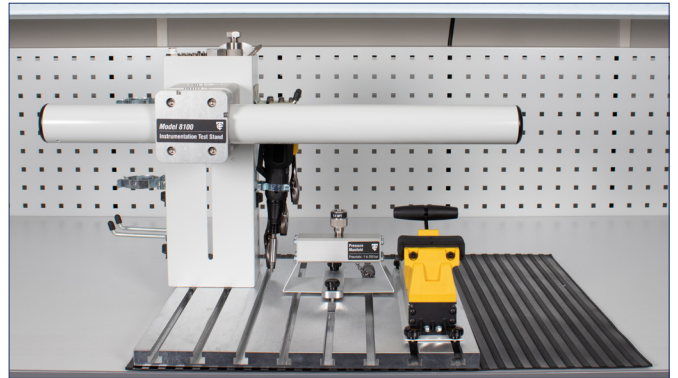
## Options

7161 .....	Dual port pneumatic manifold (1/4 BSP)
7161-NPT .....	Dual port pneumatic manifold (1/4" NPT)
7115 .....	Contamination trap (see separate data sheet)
7198 .....	Pressure adaptor kit (1/4 BSP to various)
7198-NPT .....	Pressure adaptor kit (1/4" NPT to various)



# Time Electronics

## TXG-STD Instrumentation Test Stand (model 8100)



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