

## Pneumatic Test Bench



TRADINSA presents its new Pneumatic Test Bench designed and manufactured for the realization of tests on panels and dispersed apparatus for rail vehicles. It is complemented with the fixation tools and with the Safety Valve Bench, for the realization of tests in the safety valves by our clients.

The Pneumatic Test Bench allows the performance of tests, by verifying and ensuring compliance with technical specifications and ensuring the required level of safety.

As in all TRADINSA equipment, it is delivered with all necessary tools and a training plan adapted to the different types of pneumatic components to meet our customers' needs.

# Pneumatic Test Bench

## Equipment Description

The Pneumatic Test Bench is a concept of equipment that allows to perform tests of performance and tightness in all types of pneumatic elements: from panels and scattered elements to safety valves.

Designed to ensure the utmost reliability in terms of measurement, it is composed of the pneumatic measuring and control equipment of the highest range to guarantee a suitable test and measurement system.

## Control Equipment and Data Acquisition

It features easy-to-use and adaptable software for gathering data for any user.

The parameters and tolerance ranges of the control equipment are completely adjustable and can be used in both semi-automatic or manual mode by programming sequences or cycles and storing the data in configurable templates.

Available in several languages.

## Measurement and Tests

We provide details of the basic tests that our equipment is able to carry out in real time:

- Perform functional tests on the equipment.
- Operation and control of the valves of the test equipment.
- Check the tightness of the components.
- Verification of the correct functioning of the element in test.
- Measurement, recording and plotting of pressure regarding the time at the inputs of the pneumatic equipment.
- Configuration of tests adapted to each panel or dispersed devices.
- Measurement, recording and plotting of pressure regarding the time in the transducers of the equipment under test.
- Check the status of the electrical contacts at the beginning and end of the test step.
- Automatic generation of results reports.



## Main Features

<b>Compressor support dimensions (LxWxH)</b>	1910x1300x1620
<b>Weight</b>	600 kg
<b>Test capacity</b>	Pneumatic test pressure up to 10 bar 380Vac III+N+T, 50Hz /60 Hz
<b>Electrical features</b>	230Vac380Vac III+N+T, 50Hz /60 Hz 4,2 kW
<b>Pneumatic equipment</b>	Entrance and filtration station Tank Electrovalves Pressure gauges Transducers Manual and electronic regulators Valve connection sockets
<b>Valve and panel test voltage</b>	24/110 Vdc (adaptable to other values)
<b>Pression measurement accuracy</b>	± 0,001 bar /0.05 % F.E.
<b>Time resolution</b>	± 0,001 s
<b>Expandable modules</b>	Structure support panels Safety valve test module

