

Provaset T2

EQUIPMENT FOR LEAK TESTS BY ABSOLUTE PRESSURE DECAY



RELIABLE AND COMPACT COLOUR GRAPHIC DISPLAY TOUCH SCREEN

- Leak test with full scale up to 6 bar
- Resolution up to 1 Pa (0.01 mbar)
- 3.5" colour LCD display with touch screen
- Up to 100 test programs tables
- Digital I/O interface for PLCs, RS232/RS485 serial lines and USB for PC
- Test recording via Ethernet and USB



For further information
www.tecnasrl.com/products/T2



Tests

PROVASET T2 is a compact, versatile and extremely reliable instrument that applies the latest electronic and pneumatic technologies to offer the best performances.

The new Provaset T2 updates the previous Provaset 2P model, with which maintains the program and connection compatibilities.

Provaset T2 is designed for manual use on bench in limited areas but it could be integrated on automatic systems managed by PLC.

Provaset T2 is able to communicate through digital I/O, Ethernet, USB host/slave and RS232/RS485 serial line interfaces. The test data collection is possible on USB memory and via Ethernet.

Provaset T2 is available with 2 bar or 6 bar full scale model, with 1 Pa resolution on leak reading.

A Staubli connector is available to connect a Leak Master. The test pressure can be regulated with a manual precision pressure regulator; the pressure of regulation is shown on the display.

T2 PLUS

- Staubli connector on front panel
- Ethernet port to instrument management and data collect
- 100 test programs, statistics, calculation of the leak flow rate Q in cm³/min or cm³/h
- Automatic pendrive data collection (through USB host)

Provaset T2

SPECIFICATIONS

Power supply	100÷240 Vac; 50÷60 Hz; 15W; Option: 24 Vcc, 15W
Compressed air line	Dry, non-condensing, 5-micron filtered and oil-free air, compliant with ISO8573-1, 6x4 mm hose fitting
Test pressure	Measurement area: 0÷2 bar, resolution 1 Pa; 0÷6 bar, resolution 1 Pa Accuracy: +/- 0.5% FS
Pressure drop	Accuracy: +/- 1%; read value +/- 1 Pa
Keyboard	LCD display with touch screen Manual Start/Stop button
Display	3.5" colour TFT LCD display with touch screen
Indicators	"Passed" result led, "Failed" result led
Test counter	PASSED and FAILED totals, resettable to zero
Audio alert	Built-in beeper
Clock	Date and time
Programmable parameters	Up to 100 test programs
PLC connections	4 photocoupled inputs and 4 photocoupled outputs
Data interfaces	Configurable RS232/RS485 serial lines USB slave, USB Host, Ethernet (option) Protocols: Modbus and CVS
Staubli® Connector	For Leak Master (option)

Calibration service

Each equipment is accompanied by a calibration report released by Tecna srl. According to the requirements of ISO9001 standard, calibration must be verified at specified intervals against national or international test masters. Tecna srl, through its specialized personnel and certified instruments, offers a complete scheduled calibration service.

OPTIONAL ACCESSORIES

- Air filters
- Certificated Leak Master to be inserted in the Staubli® connector
- Remote control keypad

AV10 - PNEUMATIC MODULE WITH AUTOMATIC START AND RELEASE FOR BLOOD LINES LEAK TESTING

The AV10 pneumatic module is supplied as an external accessory to be connected to air leak testing equipment.

Designed for blood lines leak testing in air, this version is equipped with a mechanism that automatically starts (start at the leak tester) the test when the operator connects the blood line, and automatically releases it at the end of the test if the test result is positive (good piece).

The AV10 module can be used as a pneumatic connection interface between Tecna testing equipment and blood lines. The internal valves of the AV10 module are used to advance or retract the release mechanism and are electrically controlled from the test equipment.



ABSOLUTE PRESSURE DECAY

The testing cycle is based on the pressure decay measured inside of the component being tested, which must be below the set limit to pass the test.

OPERATING PRINCIPLE

The testing cycle consists of three phases:

FILLING (time T1):

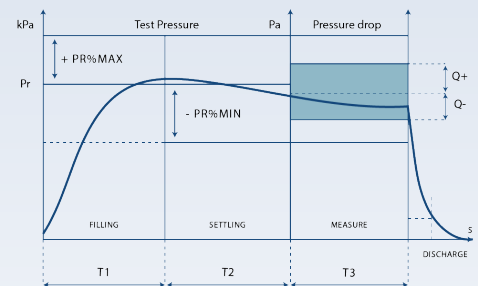
the product being tested is filled to the programmed rated test pressure.

SETTLING (time T2):

the equipment waits for the pressure to settle in the product being tested.

LEAK MEASUREMENT (time T3):

the pressure decay in the product being tested is measured.



DIMENSIONS

