

Provaset T2

COMPACT EQUIPMENT FOR LEAK TESTS BY ABSOLUTE PRESSURE DECAY

OPTIMIZED DIMENSIONS AND UNPAINTED ANODIZED ALUMINIUM CASE, MAKE IT SUITABLE FOR USE IN CONTROLLED ENVIRONMENT SUCH AS CLEAN ROOM AND LABORATORIES



- Leak test up to 6 bar
- Resolution 1 Pa (0.01 mbar)
- 3.5" colour LCD display, touch screen
- Up to 100 test programs tables
- Digital I/O, RS232/RS485, USB for PC
- Test recording via Ethernet and USB
- Backward compatibility of programming with Provaset 2P



DESCRIPTION

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

This 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.

OPTIONS (T2 PLUS)

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

ACCESSORIES

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

TEST

Provaset T2

Rev 02/24

SPECIFICATIONS

Power supply	85 - 264 V~, 50-60 Hz , 18W; 24Vcc ± 10 %, 1.5 A
Compressed air line	Dry, non-condensing, 5-micron filtered and oil-free air, compliant with ISO8573-1
Test pressure	Measurement area: 0÷2 bar, resolution 1 Pa; 0÷6 bar, resolution 1 Pa
Keyboard	Touch screen Manual Start/Stop button
Display	3.5" colour TFT LCD touch screen display
Indicators	"Passed" result led, "Failed" result led
Test counter	PASS and REJECT totals, resettable to zero
Audio alert	Built-in beeper
Clock	Date and time
Programmable parameters	Up to 100 test programs (T2 PLUS)
Digital IO	4 photocoupled inputs and 4 photocoupled outputs
Serial Lines	Configurable RS232/RS485
USB	USB slave, USB Host
LAN, Fieldbus	1 RJ45 Ethernet (T2 PLUS)
Interfaces and Protocols	Modbus RTU - TCP/IP, CVS ASCII, CSV
Staubli® Connector	For Leak Master (T2 PLUS)
Housing	Unpainted anodized aluminium

T2 EP OPTION FOR OBSTRUCTION TEST IN CONTINUOUS

The equipment works into a continuous mode, checking whether each small tube under test is free of occlusions. The test starts immediately and automatically after the tube is easily inserted by the operator into the test port. The operator won't have to press any button to start the measurement.

Each tube is tested independently, T2- EP gives the result on the screen up to the tube is finally removed by the operator.

Thanks to the green and red leds on the equipment and on the screen, and an audible alarm, the operator has an immediate PASSED or FAILED result and can verify that the tube under test has no obstructions. Each result is available until the tube is removed from the equipment test port.

DIMENSIONS



AV10 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 by the test equipment.

