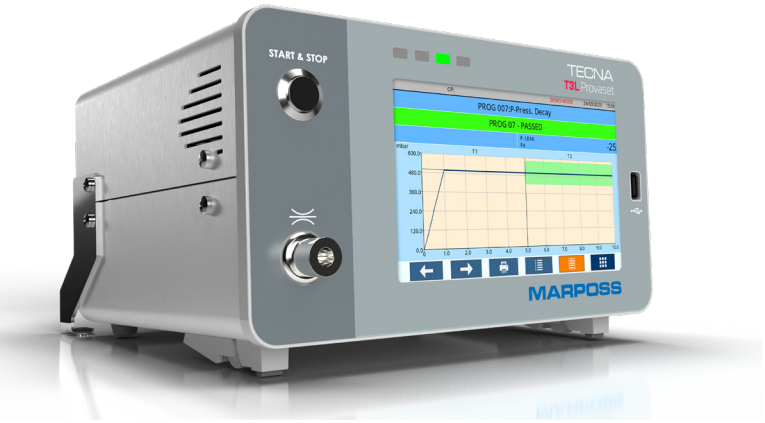
Provaset T3LP

EQUIPMENT FOR LEAK TESTS BY ABSOLUTE PRESSURE DECAY



- Leak test with full scale up to 30 bar and in vacuum
- Resolution up to 0.1 Pa (0.001 mbar)
- 7” colour LCD with touchscreen
- 300 test programs
- 300 test sequences
- Digital I/O interfaces for PLCs, RS232/ RS485 serial lines, USB for PC, Ethernet, Profinet

DESCRIPTION

TL3P is an innovative device for leak tests by absolute pressure decay measurement.
The touch interface, with the color display and the testing real-time view, make the programming and use simple and immediate.

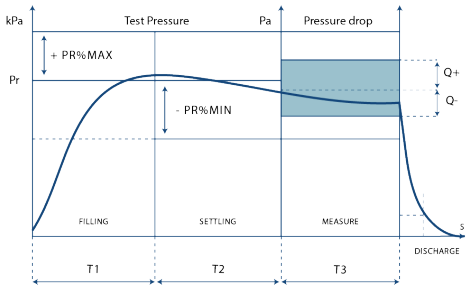
Its high measurement resolution and test accuracy, together with the electronic regulation of the filling pressure, allow to perform not only leak tests but also destructive burst test, safety valves opening checks, volumetric control, obstruction tests, “in bell” tests on sealed products also by interception method.

The control of external automations, the interface with barcode, Qrcode readers and printers and the possibility to manage and record the tests, make it a complete and suitable instrument for the most modern production applications.

TEST

TESTING MODES

Pressure leak: leak tests under pressure with absolute pressure decay measurement.
Volume + pressure decay: leak test with volume control of the test circuit.
Blockage: type of test to check for obstructions in the component being tested.
Resistance: type of test to verify the compressive strength and the sealing capacity of the component being tested



CALIBRATION SERVICE

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

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Rev 04/24

SPECIFICATIONS

Power supply	External 24 Vdc; alternatively 85÷264 Vac, 35W
Compressed air line	Dry, non-condensing, 5-micron filtered and oil-free air, compliant with ISO8573-1
Calibration	Calibration Reports or Certificates Software-guided procedure with sample instruments.
Pressure Regulator	Electronic, with dedicated pressure transducer to visualize the regulated pressure on the display; alternatively manual regulator
Display and Keyboard	7" colour TFT LCD display with resistive touchscreen
Indicators	4 LED lights (testing phases, pass/reject outcome)
Test counter	Passed and Rejected totals, resettable to zero
Audible alarm	Built-in beeper with programmable duration
Programmable parameters	300 testing tables with sequential mode, general parameters, volume calculation to indicate the leak rate in cm^3/min or cm^3/h
Digital IO	8 (+8 optional) programmable inputs and 8 (+8 optional) programmable outputs
USB	2 host for firmware update, barcode reader (optional), data collection, backup and restore 1 slave for computer interfac
LAN and Fieldbus	1 RJ45 Ethernet Profinet, ProfiBUS (optional)
Serial Lines	1 port configurable RS232/RS485
Interfaces and Protocols	Profinet, ProfiBUS, Modbus RTU - TCP/IP, CSV ASCII, barcode, Qrcode, printer, jServer
Staubli® Connector	Standard, for Leak Masters
Housing	Unpainted anodized aluminium

OPTIONS

- Double testing channel version
- Setup for test in negative pressure
- 2 programmable pneumatic outputs for external commands (plug/marker)
- I/O expansion: adds digital PLC inputs/outputs (8+8) and a RS232/RS485 serial line
- Additional Profinet, USB, ProfiBUS interfaces for remote control and data collection
- Software to manage a label printer and a barcode or Qrcode reader

ACCESSORIES

- Restraining Plates for burst test
- Air filters
- Certificated Leak Master to be inserted in the Staubli® connector
- Barcode, Qrcode reader and printer
- Remote control keypad
- 3-colours indicator light with loud sound alert
- External valve for volume check and tests in sealed "bell"
- Dust caps included

SOFTWARE MANAGER

- LAN jServer interface to collect and manage datas
- Parameter programming

DIMENSIONS