



T8890

BICHANNEL STANDARD LEVEL LEAK TESTER



Two channel leak tester.

T8890 is the two channel equipment by ForTest enclosed in the same case of the single channel T8990, making it the most compact in its category. It is available with 3 types of pressure adjustment: single manual regulator, double manual regulator and single automatic electronic regulator. Ideal to test pairs of lights or parts with double compartments. It can half test times, however maintaining the flexibility and reliability of the T8990. Parameter programming is much faster thanks to the new numerical keyboard integrated in the menus, and the big display makes viewing even clearer of the test cycle. The main screen also enables interaction with shortcut functions, such as test program change, "smart" test archive menu and locking/unlocking using a password.



6.2" colour split screen



Full area touch screen



Extended programming keyboard

Limitless connectivity.

The new T8890 equipment includes ports for the USB slave, RS232, RS485, Can bus and TTY. The front panel has a master USB port for connection to a USB key to save the tests results, backup/restore parameters and upgrade firmware equipment. The connection to thermal printers, barcode/data-matrix readers and markers takes place automatically using an internal menu.



USB key



High power outputs



RS232, RS485, Can



Ethernet and auxiliary connector

Always better measurements.

The test cycle was further accelerated thanks to processor and coprocessor interaction, maintaining the reliability that has always made ForTest unique. We can say with certainty that T8890 avails of the most advanced measurement section in the world, thanks to the

centring technology in windows and the double Faraday optical-isolated cage, which reduces the settling times under 18 ms. This gives a real measurement resolution of 0.1 Pa at 1 bar (0.5 Pa at 6 bar), stable and noise-free.



Built-in processor and coprocessor



Centring technology in windows



Resolution from 0.1 Pa

Optimised pneumatic section.

Assembly of the latest generation valves has enabled a 30% increase in the filling speed compared to the previous model, maintaining reliability unaltered over time. Our tools do not require expensive maintenance in the pneumatic department. Actually, our objective is to make them increasingly reliable and long-lasting.



Filling speed +30%



High strength against humidity



No periodic maintenance

Innovative design.

What appears to be a simple design exercise, in fact hides an in-depth study to make use and understanding of the equipment as simple as possible. The front panel is made of a single sheet of tempered glass and aluminium, which makes it extremely easy to clean, making the T8890 suitable for use in the laboratory and on the production line. The extensive internal menus are easy to understand and the graphic interface was designed to only display important information. Everything is exactly where it should be.



User-friendly interface



Easy to clean



Use in sectors at 360°



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Application Sectors

Aerospace	Valves	Packaging
Automotive	Brakes	Gas
Household Appliances	Refrigeration	Heating
Electronics	Mechanical	Hydraulics
Foundry	Medical	Energy
Pneumatics	Oleodynamic	Cylinders

Measurement Characteristics

Type		Range from -1 to 20 bar
$\Delta p(\text{Leak})$	Accuracy	0.5% RDS+3DGT
	Resolution	From 0.001 mbar to 0.1 mbar
Direct Pressure	Accuracy	0.5% FS

Optional

- Electronic regulator
- AUX I/O 24VDC with 8 output programmable, 4 input programmable, 4BCD
- Communication interfaces
- Pneumatic fast filling
- Pre-filling
- Volume measurement

Features

- Resolution from 0.1 Pa
- HMI touchscreen controller
- Colour display
- USB pen drive for store results and test parameters
- Bluetooth Low Energy and WiFi interfaces on-board
- Real Time Graph of pressure and decay
- 300 Test Programs
- USB Type-B female connector for PC
- 6 Languages (English, Italian, French, German, Spanish, Portuguese)
- Mechanical Start/Stop button
- Firmware upgrade via USB pen
- Password protection

- 24V I/O (Start, Stop, Filling, Test, Good, Reject, 4BCD)
- Unit measure available: mbar, bar, psi, mmHg, mmH2O, Pa, HPa, cc/min, cc/h, pressure/s
- Frontal connector for Staubli calibrated leak

Technical Specifications

- Dimensions 270 × 160 × 300 mm
- Weight 8 Kg
- Electrical Supply 24VDC, 110 VAC, 230 VAC
- Air tube size: 4×2.7, 6×4, 8×6, 10×8

Test Modes

- Leak Test
- Obstruction

Communication Interfaces

Interface Name	Standard	Protocol
RS232/RS485	Yes	ForTest, Modbus RTU, Trace EOT
USB-Serial	Yes	ForTest, Modbus RTU, Trace EOT
Ethernet TCP/IP	Optional	ForTest, Modbus RTU, Trace EOT
Profinet	Optional	Profinet ©
EtherCAT	Optional	EtherCAT ©
EtherNet/IP	Optional	CIP™

Accessories

- Barcode reader
- Label printer
- Leak Test Manager PC software
- Air filter
- Electrovalve group "cylinder's" type with filter
- External Start/Stop push button