



# T8997

## LEAK TEST AND FLOW TEST ALL IN ONE



### A touch of innovation.

The new "ForTest MMI" video controller has taken man-machine interaction to a new level, thanks to an innovative capacitive panel in tempered glass, which surrounds a splendid 6.2" colour display.

The programming of parameters is now much faster thanks to the new numeric keypad integrated in the menus and the new screen makes the display of the test cycle even clearer.

In addition, it is possible to interact in the main screen with quick functions such as test program change, smart test archive menu, lock/unlock with password.



6.2" colour display



Test graph



Full area resistive touch screen



Extended programming keypad

### Limitless connectivity.

The new T8997 has USB slave, RS232, RS485, Can bus, TTY and Profinet ports. An Ethernet port and a 26-pin connector with

4 inputs and 8 outputs fully programmable, for interfacing with external valves, safety barriers, switches. The front panel is equipped with a USB port for connecting a USB stick which allows to store tests performed, save/restore settings and update the instrument's microprocessor. The connection to thermal printers, barcode/datamatrix readers and markers is done automatically through the internal menu.



USB port



High power outputs



RS232, RS485, Can, TTY, Profinet



Ethernet and connector

### Better and better measures.

The test cycle has been further accelerated thanks to the integration of a processor and a co-processor, while maintaining the reliability that has always characterised ForTest.

We can say with certainty that T8997 has

the world's most advanced measurement section, with window centring technology and opto-coupled double Faraday cage reducing settling times to less than 18 ms. This results in a measurement resolution of 1 Pa at 1 bar stable and quiet.



Processeur et coprocesseur



Technologie de centrage enfenêtres



Définition à partir de 0,1 Pa

### Optimised pneumatic section.

The installation of new generation solenoid valves has made it possible to increase the filling speed by 30% compared to the previous model, while maintaining the reliability over time. Our devices do not require maintenance costly for the pneumatic part,

on the contrary, our aim is to eliminate it.



Filling speed +30%.



High humidity resistance



No periodic maintenance

### Innovative design.

What appears to be only a design exercise, in reality hides a thorough study to simplify the use and understanding of the instrument.

The front panel is made of a single sheet of tempered glass and aluminium, which makes it very easy to clean, and makes the T8997 an instrument that can be used both in the laboratory and on a

production line.

The internal menus are easy to understand, and the graphical interface is designed to show only the important and necessary information.



Easy to use interface



Easy to clean



360° use



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### Applications Sectors

Aérospace	Mécanique	Automobile
Médicale	Electroménager	Oléodynamique
Electronique	Emballage	Fonderie
Gaz	Pneumatique	Chauffage
Hydraulique	Energie Alternative	Réfrigération
Cylindres	Vannes	Industriel

### Measure Characteristics

Typologies		Gamme de 0 à 1 bar/0-20 l/min
$\Delta p$ (Fuite)	Précision	0.5% RDG+3DGT
	Résolution	1 Pa
Débit	Précision	3% RDG+0,1 FS
	Résolution	1 cc/min
Pression directe	Précision	0.5% FS

### Options

- Electronic pressure regulator
- AUX Input/Output 24VDC with 8 programmable outputs
- 4 inputs programmables, 4 BCD
- Communication interface
- Pre-filling

### Functions

- Résolution starting from 0,1 Pa
- HMI touch screen controller
- Colour display
- USB stick drive for storing test results and parameters
- Bluetooth Low Energy and WiFi
- Real-time graph of pressure and flow
- 300 test programs

- USB Type-B female connector for PC
- 6 languages (English, Italian, French, German, Spanish, Portuguese)
- Mechanical Start/Stop button
- Firmware update via USB stick
- Password protection
- 24V I/O (Start, Stop, Test, Good, Reject, 4BCD)
- available measurement units: mbar, bar, psi, mmHg, mmH2O, Pa, HPa, cc/min, cc/h, pressure/s, l/h, l/min
- Staubli© front connector for calibrated leakage

### Technical characteristics

- Dimensions : 270 x 160 x 300 mm
- Weight : 8 Kg
- Electrical connections : 24VDC, 110 VAC, 230 VAC
- Tube dimension : 4x2.7, 6x4, 8x6, 10x8

### Test methods

- Leak test
- Flow test

### Communication interface

Nom interface	Standard	Protocole
RS232/RS485	Yes	ForTest, Modbus RTU, Trace EOT
USB-Serial	Yes	ForTest, Modbus RTU, Trace EOT
Ethernet TCP/IP	Optionnel	ForTest, Modbus RTU, Trace EOT
Profinet	Optionnel	Profinet
EtherCAT	Optionnel	EtherCAT

### Accessories

- Bar code reader/Imprimante d'étiquettes
- PC Leak Test Manager Software
- Air filter
- External Start/Stop push button