

# The new T Series (a touch of innovation).



**1** Capacitive touch screen keyboard in glass

**2** Big coloured display

**3** New measurement algorithms

**4** Completely redesigned electronics and firmware

**7** Easy use and programming

**8** Built and tested to last in all environments

**9** Powered Help me text

**10** ForTest and Modbus communication protocol



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## Testing Technology. Together.



## APPLICATIONS

- Automotive
- Medical
- Oleodynamics
- Pneumatics
- Household appliances
- Gas
- Mechanical
- Packaging
- Heating
- Alternative energies
- Aerospace



**5** Front usb port to save tests, backup/restore programs and upgrade firmware

**6** Advanced connectivity (usb for direct connection to the PC, RS232, RS485, 24V digital signals, Ethernet)



# T Series.

## Leak test.

This is the most innovative and rich range of equipment for industrial leak testing, obtained by the combination of three different product categories (T6000, T8000 and T9000 series) and four different kinds of measurement: absolute pressure decay (Txx9x), differential pressure decay (Txx6x), compliance interception measurement (Txx8x) and continuous measurement of leak rates (Txx7x).

- Txx9x: Absolute pressure decay: this kind of measurement is based on the principle of «pressure decay». By pressurizing the part under test, the equipment detects a certain pressure drop.
- Txx6x: Differential pressure decay: this kind of equipment detects the presence of a leak by comparing the part under test with a master part, which is surely airtight.
- Txx8x: Compliance interception measurement: it allows to measure leak rates outside the part, which was previously put into an airtight bell.
- Txx7x: Continuous measurement of leak rates: this system is ideal for testing gas/electric household appliances since it enables continuous leak testing, allowing for the analysis or reparation of the part under test (e.g. kitchen gas stoves).

## Entry level leak test equipment.



- T6990: Entry level absolute pressure decay leak tester
- T6960: Entry level remote differential leak tester for small volumes
- Applications: Valves | Packaging | Medical | Mechanical | Hydraulics |

## Standard leak test equipment.



- T8990: Standard absolute pressure decay leak tester
- T8960: Standard differential pressure decay leak tester
- T8970: Standard continuous leak test equipment
- T8980: Standard compliance-interception leak tester
- T8890: Standard double-channel leak tester
- Applications: Automotive | Valves | Oleodynamic | Packaging | Medical | Mechanical | Gas | Pneumatics | Heating | Alternative Energies | Cylinders | Hydraulics | Household Appliances | Electronics |

## High Level leak test equipment.



- T9960: High level differential pressure decay leak tester
- T9980: High level compliance-interception leak tester
- Applications: Automotive | Valves | Oleodynamic | Packaging | Medical | Mechanical | Gas | Pneumatics | Nuclear | Heating | Alternative Energies | Aerospace | Hydraulics | Household Appliances | Electronics | Cylinders | Brake Calipers | Foundry |

Testing Technology. Together.

## Flow test.

Our flow testers as well have taken advantages from the modularity of our new "T" series: thanks to four different kinds of measurement, our flow testers can meet any customer's requirement.

- Tx71x: continuous micro flow: this is particularly suitable for big leak rates measurement and for those tests where leak rate measurement is independent from the part volume (oleo-dynamics, packaging, motors).
- Tx72x: differential micro flow: it is a good alternative to absolute pressure decay leak testing. Especially useful for big volumes testing at low pressure (tanks, canisters, lighting, etc...).
- Tx73x: continuous flow: this FORTEST's classical flow measurement based on our historical measurement of mass flows and on the patents we registered. This range of testers boasts the most innovative systems for loss of charge elimination (openings, filters, etc...).
- Tx74x: RFO continuous flow: Real Flow Output is the exclusive FORTEST system (copied but never evened) for the automatic and real time adjustment of pressure according to loss of charge. This is the only solution available on market today to make flow tests at ultra stable pressures by variable and big flows (tractor cabins, panels, boxes, windows, chimneys).

## Digital flow calibrators.



- T2710 (with flow rates up to 0.2 l/min) and M2730 (with flow rates from 1 to 20 l/min) are the new "M series" portable digital calibrators by FORTEST. Enclosed in an anodised aluminium box provided of a shatter-proof Plexiglass front panel, we find brand-new mother board and mass flow sensor for the direct measurement of leakage. Supplied with a micrometer nozzle, it is aimed at simulating the desired leak rate, as to make the tester set up and verification easier.

■ Applications: Industry | Metrology | Lab |

## Standard flow test equipment.



- T8710: Standard flow tester for micro flows
- T8720: Standard differential flow tester
- T8730: Standard continuous flow tester

■ Applications: Automotive | Valves | Oleodynamic | Packaging | Medical | Mechanical | Gas | Pneumatics | Heating | Alternative Energies | Cylinders | Hydraulics | Household Appliances | Electronics |

## High Level flow test equipment.



- T9710: High level micro flow tester
- T9720: High level differential flow tester
- T9730: High level continuous flow tester
- T9740: High level RFO continuous flow tester

■ Applications: Automotive | Valves | Oleodynamic | Packaging | Medical | Mechanical | Gas | Pneumatics | Nuclear | Heating | Alternative Energies | Aerospace | Hydraulics | Household Appliances | Electronics | Cylinders | Brake Calipers | Foundry |

# Micro

T4000 is the new and revolutionary range of micro leak test equipment created for integrators and test benches manufacturers. It is available in 3 versions: single-channel absolute pressure decay leak tester, double-channel absolute decay leak tester and single-channel differential leak tester.

Micro range of leak testers has been designed to test small volumes, up to 100 cc, with ultra-fast test times.

It is provided of DIN bar, but can also be used directly on the test station or installed on a panel.

Scales are available from -1 to 10 bar. Operators can manage these products by 24 Vdc digital signals for PLC, USB port for PC connection. Once first set up has been completed, it works automatically, an external start pulse is only needed.



## Calibrated leak master



T0710 is the new range of certified ForTest leaks for the automatic verification of testing processes. This is a patented device.

Operators need to check if their leak test systems are properly calibrated at any time; M0710 is the ideal instrument to make this verification.

If the equipment detects the calibrated leak, then the tester is properly calibrated.

## Connectivity



T Series Manager is an application able to fully manage the operations of one or more T series equipment. It makes possible to setup testers and introduce test parameters by Pc station.

It also allows to change test programs and to manage Start and Abort of all testers in its network.

This software can display a graph representing real time and on-going tests and allows to save tests results in different formats such as: Access Database (.mdb) Excel database (.xls) and CSV (.csv).

All ForTest devices can be connected to a variety of peripherals: bar code or Data Matrix readers, thermal printers or even Wi-Fi networks thanks to a proper suitable optional accessory.

Our open-minded engineering team does not put any limit to customer's requirements, allowing to get complex systems for data tracking, batches management and test benches integration.



FORTEST



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