

# T6990

## ABSOLUTE DECAY ENTRY-LEVEL LEAK TESTER



### DATA SHEET



#### Always easier.

T6990, recalculating the success of its predecessor M6990, an obviously enhanced user interface, thanks to an innovative tempered glass panel with built-in capacitive keyboard, around a 3.5" colour display. The new, high resolution display makes it even easier to view the test cycle and the programming menus, and the capacitive keyboard allows fast parameter entry.



3,5"  
colour display



Touch screen  
capacitive  
keyboard

#### All the connections you need.

T6990 has a more limited port supply than its larger comrades, but is equally complete: a USB slave port, RS232, RS485 and Can bus.

The front panel has a master USB port for connection to a USB key to save the tests conducted, backup/restore parameters and upgrade tool firmware.

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

#### So small, yet so powerful.

T6990 can count on a measurement resolution of 0.1 Pa to 1 bar (0.5 Pa to 6 bar) stable and noise-free, sharing a part of the measurement section implemented on the higher series T8000 and T9000.

Despite being designed as an entry-level instrument, the measurement performance is absolutely comparable to those of the rest of the ForTest range.



Advanced  
measurement  
performance



Resolution  
from 0.1 Pa

#### Ultra compact pneumatics.

T6990, to keep dimensions as compact as possible, assembles a pneumatic unit with standard valves, ideal to test volumes up to 5 litres. The robustness of these valves means no scheduled maintenance of any kind is necessary, therefore guaranteeing



Ideal for volumes  
up to 5 litres



High strength  
against humidity



No periodic  
maintenance

#### Everything is where it should be.

Despite the compact dimensions which made use of more simplified menus necessary, the T6990 user interface was however designed to facilitate programming of the test parameters.

The front panel is made of a single sheet of tempered glass and aluminium, which makes it extremely easy to clean, making the T6990 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

Mechanic	Valves	Pneumatic
Hydraulics	Medical	Packaging

#### Measurement Characteristics

Type		Range from -1 to 10 bar
Δp(Leak)	Accuracy	0.5% RDS+3DGT
	Resolution	From 0.001 mbar to 0.01 mbar
Direct Pressure	Accuracy	0.5% FS

#### Features

- Resolution from 0.1 Pa
- Colour display
- USB pen drive for store results and test parameters
- Bluetooth Low Energy and WiFi interfaces on-board
- 99 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 180 × 160 × 200 mm
- Weight 5 Kg
- Electrical Supply 24VDC
- Air tube size: 4×2.7, 6×4, 8×6

#### Test Modes

- Leak Test
- 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

#### Accessories

- Barcode reader
- Label printer
- Leak Test Manager PC software
- Air filter
- External Start/Stop push button