



T4990

ABSOLUTE PRESSURE DECAY MICRO LEAK TESTER



Always easier.

T4990 is the new and revolutionary absolute pressure decay leak tester by ForTest.

Born to be integrated on automatic, semi automatic and rotating benches, it provides an hardware that can be compared to that one of top series equipments, and with a measurement accuracy of not less than 0,1 Pa.

T4990 provides an innovative 2,5 " high-resolution Oled display, a USB port for direct connection with PC (management software included) and several expansion ports to external automations, indicator lights, limit swtch, programming keyboards, etc...

The black anodized aluminium case has been designed for fixing it to a Din bar, or to a panel, or finally, by pneumatic connectors, directly on the station in order to minimize the volume under test.

Thanks to optimized pneumatics, ultra fast internal valves and small testing connectors, testing time has minimized.



Advanced measurement performance



Resolution from 0.1 Pa

Ultra compact pneumatics.

T4990, to keep dimensions as compact as possible, assembles a pneumatic unit with standard valves, ideal to test small test volumes. The robustness of these valves means no scheduled maintenance of any kind is necessary, therefore guaranteeing



Ideal for small volumes



High strength against humidity



No periodic maintenance



High power outputs



RS232, RS485, Can

So small, yet so powerful.

T4990 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.

Following a philosophy of fast assembling and quick start, T4990 has been designed to replace "do it yourself" testing stations, composed by pressure transducers, pneumatic groups and PLC, allowing to make a "plug and play", without programming and installation costs; few minutes after assembling you will be fully operatives.

T4990 can communicate via protocol whose property is of ForTest, Canbus or Modbus RTU. Working scales go from -1 to 6 bar.



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 6 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
- USB pen drive for store results and test parameters
- 99 Test Programs
- USB Type-B female connector for PC
- 6 Languages (English, Italian, French, German, Spanish, Portuguese)
- 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

Technical Specifications

- Dimensions 90 × 150 × 170 mm
- Weight 450gr Electrical Supply 24VDC
- Air tube size: 4×2.7, 6×4

Test Modes

- Leak Test
- Leak Test Obstruction

Communication Interfaces

| Interface Name | Standard | Protocol |
|----------------|----------|--------------------------------|
| RS232 | Yes | ForTest, Modbus RTU, Trace EOT |
| USB-Serial | Yes | ForTest, Modbus RTU, Trace EOT |

Accessories

- Leak Test Manager PC software
- Air filter