



# T4960

## DIFFERENTIAL PRESSURE DECAY MICRO LEAK TESTER



### Always easier.

T4960 is the new revolutionary differential leak tester equipment by ForTest.  
 Born to be integrated on benches with high production rates, it provides an hardware that can be compared to that one of top series equipment, and with a measurement accuracy of not less than 0,1 Pa.  
 It finds its ideal applications on pieces with a little volume and that can admit very low leakages and very high speed test.  
 For a volume of 3 cc testing time is of only 0,2", with a visible leakage rate of 10 cc/h.  
 T4960 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 switch, 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 is extremely reduced providing at the same time a repeatable and reliable measure.

### So small, yet so powerful.

T4960 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.

T4960, 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

Following a philosophy of fast assembling and quick start, T4960 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.

T4960 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°



High power outputs



RS232, RS485, Can



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### Application Sectors

Mechanic	Valves	Pneumatic
Hydraulics	Medical	Packaging

### Measurement Characteristics

Type		Range from -1 to 6 bar
$\Delta p(\text{Leak})$	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