

T8060

DIFFERENTIAL STANDARD LEVEL LEAK TESTER



A touch of innovation.

The video controller "ForTest MMI" brought a superior level of human-machine interaction, thanks to an innovative capacitive panel in tempered glass, around a splendid 6.2" colour display.

Parameter programming is faster thanks to the new numerical keyboard integrated in the menu, and the big display makes clearer the view of the test cycle. The main screen also enables interaction with shortcut functions, such as test program change, "smart" test archive menu and locking/unlocking using a password.



Limitless connectivity.

T8060 includes ports for the USB slave, RS232, RS485, Can bus and TTY. Assembly may also include an optional Ethernet port and a 26-pole connector with 4 inputs and 8 outputs, which are completely programmable, for interfacing with the external valves, safety barriers, switches, etc...The front panel has a master USB port for connection to a USB key to save the tests conducted, backup/restore parameters and upgrade the firmware of the equipment.

The connection to thermal printers, barcode/data-matrix readers and markers takes place automatically using an internal menu.



Always better measurements.

By nature, differential technology enables a measurement sensitivity even better than absolute decay, guaranteeing a decay resolution of 0.1 Pa up to 6 bar testing.

The implementation of new pressure sensors, combined with the measurement section with centring technology in windows and double Faraday optical-isolated cage made further improvement of the tool performance.



Optimised pneumatic section.

Assembly of the latest generation valves has enabled a 50% increase in the filling speed compared to the previous model, maintaining reliability unaltered over time. Our tools do not require expensive maintenance in the pneumatic department. Actually, our objective is to make them increasingly reliable and long-lasting.



Innovative design.

What appears to be a simple design exercise, in fact hides an in-depth study to make use and understanding of the equipment as simple as possible.

The front panel is made of a single sheet of tempered glass and aluminium, which makes it extremely easy to clean, making the T8060 suitable for use in the laboratory and on the production line.

The extensive internal menu are easy to understand and the graphic interface was designed only to display important information.

Everything is exactly where it should be.



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Application Sectors

Aerospace	Valves	Packaging
Automotive	Brakes	Gas
Household Appliances	Refrigeration	Heating
Electronics	Mechanical	Hydraulics
Foundry	Medical	Energy
Pneumatics	Oleodynamic	Cylinders

Measurement Characteristics

Type		Range from -1 to 200 bar
$\Delta p(\text{Leak})$	Accuracy	0.5% RDG+3DGT
	Resolution	From 0.001 mbar to 0.1 mbar
Direct Pressure	Accuracy	0.5% FS

Optional

- Electronic regulator
- AUX I/O 24VDC with 8 output programmable, 4 input programmable, 4BCD
- Communication interfaces
- Pneumatic fast filling
- Pre-filling
- Volume measurement

Features

- Resolution from 0.1 Pa
- HMI touchscreen controller
- Colour display
- USB pen drive for store results and test parameters
- Bluetooth Low Energy and WiFi interfaces on-board
- Real Time Graph of pressure and decay
- 300 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 270 × 160 × 300 mm
- Weight 8 Kg
- Electrical Supply 24VDC, 110 VAC, 230 VAC
- Air tube size: 4x2.7, 6x4, 8x6, 10x8

Test Modes

- Differential Leak Test

Communication Interfaces

Interface Name	Standard	Protocol
RS232/RS485	Yes	ForTest, Modbus RTU, Trace EOT
USB-Serial	Yes	ForTest, Modbus RTU, Trace EOT
Ethernet TCP/IP	Optional	ForTest, Modbus RTU, Trace EOT
Profinet	Optional	Profinet
EtherCAT	Optional	EtherCAT

Accessories

- Barcode reader
- Label printer
- Leak Test Manager PC software
- Air filter
- Electrovalve group "cylinder's" type with filter
- External Start/Stop push button