

# ET 97W

## LEAK IN FLOW TEST



The leak detector ET97W represents the best solution on the market in terms of precision, flexibility and execution speed of seal tests with measure in flow rate. This instrument allows to measure in a direct way the air flow generated by the leak-off rate. ET97W is composed of a pneumatic circuit optimized in order to reduce the filling times, of a mass flow sensor, of a pressure sensor and of an electronic pressure regulator, that guarantees stable and safe test pressures without the operator assistance. The instrument detects the leaks through continuous seal measure of the pressurized piece, this method allows to reduce drastically the time of the test phase. ET97W is specially used in seal tests where the volume of the piece is unknown and variable (oil motors, elastics bags or bottles), when the leak entity is so elevated that a  $\Delta p$  system does not succeed to maintain constant the test pressure (cartridge valves, oil distributors, between filaments) and finally when is requested a continuous leak measurement in order to allow the operator to look for and repair the same one.



*direct measurement of the flow  
generated by the leak*

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*high precision electronic pressure  
regulator by series*

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*optimized pneumatic circuit  
for reduction of filling time*

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*test time extremely reduced*

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## TECHNICAL DETAILS

Mass airflow measure with flow rates 0/0,2; 0/5; 0/10 nlt/min.

Pressure measure on scales 0/150 mBar; 0/500 mBar; 0/1000 mBar; 0/3000 mBar

Pressure measure better than 0,25%

Electronic pressure regulation

Pressure/flow autocorrelation function software selectable

Auto-zero function

Motorola MC68HC11F1 microprocessor

EPROM program memory

High brightness 80 characters LCD viewer

Bar indicator of pressure led, flow, tests advance state and output

18 bit analog input, with speed conversion 15 con/sec on three channels

EPROM parameters memory with control algorithms

Pieces counter memory and Real Time Clock

Tracer calibration instrument as ISO rules

Connector with signals for remote control of 24 Vdc

Serial line RS232 for printer connection

Isolated serial line for connection to networks with FOR TEST® protocol

230Vac feeding (110Vac on request)

Serial line for PLC interface connection

Operating temperature min. 5°C / max. 40°C

## ACCESSORIES

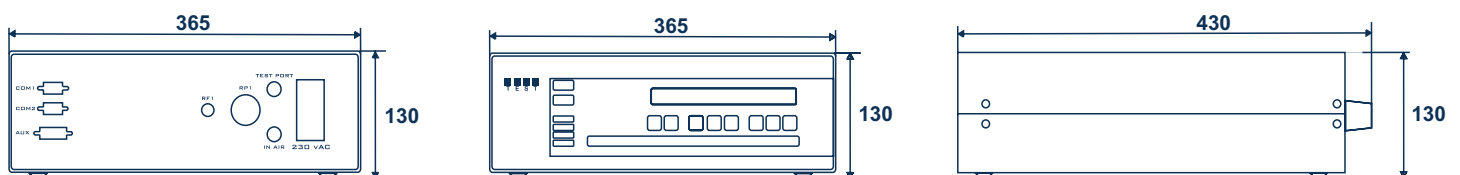
Parameters backup tong - External Start push-button - Start pedal - External Start/Abort push-button - External multi-program selection push-button - Serial converter kit - Bar-code scanner - Tests report printer - Software Leak test manager - Software custom

## EXTERNAL APPEARANCE

Refined painted plastic container with serigraphy on façade

Weight: 10 Kg.

Dimensions: 365x430x130mm



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