

■ TECHNICAL DETAILS ET07

- Parallel type connection signals:
- Feeding input
 - Start/abort signal input and program selection (50 test schedules)
 - Serial entrance for connection with Personal Computer
 - Pressurization external pneumatic groups pilotage output
 - GOOD outcome output
 - REJECT outcome output

Serial Port for PC interconnection

Managing and storing software

Led lighting combination to find out failures and errors

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

Leak test pressure in from -1 to 250 Bar scales (other pressure types are available upon request)

Motorola MC68HC912 Microprocessor

FLASH memory program

PGA - FOR TEST® logic for "in windows" 16 bit for loss measurement

Measure resolution scales:

- Standard: 10,000 dots on pressure end scale
- PGA-4TEST: 100,000 dots on pressure end scale

Parameters memory EEPROM with checking algorithms

Marking calibration instrument inside ISO rules

Continuous test phase visualization and through led outcome:

- Yellow Led: current test
- Green Led: last test outcome Good
- Red Led: last test outcome Reject

Connection feeder 1/4" - 19 BSP male

EXTERNAL APPEARANCE

Enclosed in a cylindrical metallic glazed aluminium container. Dimensions: L= 140mm; Ø = 39mm Weight 170 gr.

■ TECHNICAL DETAILS ET08

Parallel type connection signals:

- Start / Select Program INPUT signal
- Start / Select Parameter Program Organization
- Optional serial port for data communication
- Pressurization external pneumatic groups pilotage OUTPUT
- Flow test OUTPUT
- Leak test OUTPUT
- Customizable OUTPUT

Serial port for connection with Personal Computer and Vision Box

Led-indicated fails and errors

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

Seal test pressure in following scales: 0/150, 0/500, 0/1000, 0/3000 mBar (other pressures are available on demand)

Mass airflow measure with flow rates 0/0.2; 0/1; 0/5; 0/10 nlt/min.

Motorola MC68HC512 Microprocessor

FLASH program Memory

Flow, pressure and temperature measure resolution over 1000 points on end scale

Parameters and test tables memory stored in EEPROM with control algorithms

Marking calibration instrument ISO compliant

Continuous test phase visualization through led OUTPUT

6x4 or 8x6 pipe connections

EXTERNAL APPEARANCE

Enclosed in a glazed aluminium container Dimensions: 130x60x60 mm Weight: 600 g .

■ TECHNICAL DETAILS VISION BOX

24 Vdc feeding

High-brightness 80 characters LCD display

PieceCounter memory and Real Time Clock

Remote control connector with 24 Vdc signals

RS232 serial line for printer connection

Isolated serial line for connecting to network with FOR TEST protocol

Serial line for interfacing with PLC or FOR TEST expansions

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

EXTERNAL APPEARANCE

Metallic container with anti-reflex facade. Dimensions: 126mm x 126mm x 36mm. Weight: 1 kg

Leak And Flow Testing Bench

The leak and flow testing bench is composed by an ET07, an ET08 and a Vision Box

ET07 is actually the most compact leak test instrument in the world. Although it is an instrument with very reduced dimensions, in performance terms it can be absolutely compared with the most complex and big leak test systems.

The instrument detects leaks, taking advantage of the "pressure drop" principle: at the beginning it pressurizes the piece and after an arrangement time, it finds the pressure decay.

The leds which are set on the superior part, give information about the condition and the results of the test.

ET08 is equipped with mass flow meter, air temperature meter, pressure meter and simple leds that indicate tests outcomes, ET08 guarantee the complete compatibility with For Test software created for the previous series.

2 outputs for power valves, 4 outputs and 3 digital inputs, those at 24 Vdc, make the device compatible with PLCs, automations and switchboards.

ET08 is also equipped with 2 serial lines: one is used during programming and visualization, the second one is optional and is made for customizations.

The particular "No Test" mode can measure the gas flow, using the three physical parameters in combination with the deducted volume flow.



Vision Box ET07 AND ET08 REMOTE CONTROLLER

Vision Box the remote control device for FOR TEST leak test instrumentation. This central unit allows to manage test parameters, results; remote controls, connecting signals and 4 inspection stations final test print.

Vision Box is equipped with four serial connectors useful for the connection to the instruments and with a connector for connection to automations, FOR TEST peripheral devices and printers. The case is extremely compact and resistant and it was planned in order to make the device particularly useful for being set up as panel, or on multi-station banks.

Vision Box is the most convenient, simple and complete solution for the contemporaneous and in Real-Time management of FOR TEST seal test systems.

APPLICATIONS

Advised assembly: Automatic stations, semi-automatic station, industrial implants, test tables, rotating tables, test batteries.....

Advised assembly: boiler, air-conditioner, washing machine, heaters, heat-exchange r...

Car: rims, cylinders, valves, filters, radiators, pumps, engine bases, brake circuits, water circuits, fuel tanks, gearboxes, injectors....

Mechanics: pumps, gearboxes, electrovalves, pneumatic valves, pneumatic components, oildynamic circuits....

Else: food bags, watertight containers, bottles, plastic components, plastic bags, pipettes, syringes....

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