



**TECHNICAL  
SHEET**



**VACTRONIC**

**LEAK DETECTION OF CRIMPED BOTTLES**

**CHARACTERISTICS & ADVANTAGES :****Leak detection by loss of pressure in a sealed component (in a vacuum chamber)**

- Differential (sensitivity to Pa) and relativen (sensitivity to mbar) measurement

**Pressure range**

- Negative pressure, built-in vacuum pump Electronic
- Regulation –650 mbar maximum

**Measurement units**

- Pascal (Pa)
- Pascal per second (Pa/s)
- Cubic centimetres per minute (cm<sup>3</sup>/min)

**32 programmes available**

- Accessible from front panel
- RS-232 output as standard for serial printer (option)
- RJ45 Ethernet output (option)
- Front panel SD card for saving (option)

**Reduced internal volume**

- Fast, high-sensitivity measurement

**Compact housing and plugs into 230 V mains socket**

- 230 V > 24 V power supply provided
- Drawer closure system, 1 to 4 products by interchangeable support, individual checking.

Non-destructive sealing testing for sealed products for IP65 to IP67 testing: Blisters, capped vials, sachets, vacuum packs, pharmaceutical products, etc.

Limited to a bottle height of 80mm (~100ml).

Dimensions (cm): H = 40.5; W = 56.5; D = 38.5 | Weight: 40 kg



This is a device for detecting leaks by loss of pressure in a vacuum chamber allowing crimped vial sealing to be checked.

The Vactronic system also makes it possible to check various types of packs such as sealed products, sachets, blisters, vacuum packs, etc.

This non-destructive test for vials can advantageously replace the sealing test using methylene blue (ISO 8871-5), allowing its off-putting drawbacks to be avoided (destroys the sample, subject to human interpretation, tiresome, very long test duration)

Easy to use and maintain, the system requires only a 230 V / 50 Hz socket for the power supply provided

## OPERATING PRINCIPLE

Filling	Pumping down of the chamber containing the unit to be tested and monitoring of the test vacuum
Stabilization	Waiting time during which the vacuum is stabilized (Bounce and thermal effect)
Test 1 & 2	1. Measurement of the pressure drop in Pa 2. Transfer volume (major leak test) and processing results
Vacuum release	Checked unit returned to atmospheric pressure

## TECHNICAL SPECIFICATIONS

Power supply	24 volt DC (mains power unit supplied)
Power consumption	1.5 A
Converter	32-bit A/D
Measuring range	$\pm 400$ Pa
Measurement units	Pa, Pa/s or cm <sup>3</sup> /min
Test vacuum	-650 mbar maximum by built-in vacuum pump with electronic regulation
Resolution	mbar in vacuum and Pa in measurement
Class	$\pm 1\%$ of full scale
Screen	3.5» Colour Touch-screen, 256 colours, TFT LCD display. 320x240 pixels (QVGA)
Indicators	2 indicators: good unit and bad unit
Inputs	Automatic start on closing drawer, Reset, selection of 32 programmes
Output	RS-232 serial port for printer and RJ-45 (option)
Metal housing	316L stainless steel

# Vactronic®

## **DON'T HESITATE TO CONTACT US :**

Monday to Friday  
09h<sup>00</sup> - 12h<sup>00</sup>  
14h<sup>00</sup> - 18h<sup>00</sup>

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