

Series 8

G4-EC

Leak tester for packaging and sealed parts



The leakage measurement in sealed parts such as packaging, through a vacuum chamber, now has an equipment that meets the expectations of manufacturers and their customers. With calibrated and accredited sensors, the **G4-EC** model is the only equipment in the world capable of measuring the differential pressure in the packaging, going beyond what **ASTM** standards require, while recording all tests in compliance with **CFR21 - Part 11** standard.



In accordance with ASTM D-3078.

In compliance with CFR21 part 11 electronic records.



MAIN FEATURES

- Full access control via Hard key, password, or RFID TAG*;
- Electronic pressure adjustment up to -800 mbar;
- Differential pressure sensor*;
- Probe for vacuum-sealed parts;
- Pressure sensor with a resolution of 10 Pa;
- Recording of results in memory and USB drive;
- Ethernet, RS-232*, and digital interfaces*;
- Barcode or QR code reader*;
- Selectable pressure units;
- Alert and lock on calibration expiration;
- Event schedule for maintenance alerts;
- Up to 1000 test part recipes;
- Languages: portuguese, english and spanish;
- Up to 3 years warranty.

(* - Optionals)

APPLICATIONS

- Sealed packaging*
- Blisters and other medications*
- Altitude support tests*
- Sealed electronic equipment*
- IP insulation level test*



BENEFITS

- Replaces imported equipment with improved reliability and availability;
- Various chamber size options, capable of testing with water or dry;
- Simple, intuitive, and easy to operate;
- National and worldwide technical support with field repair parts availability;
- Availability of demonstration and rental equipment;
- Pressure control by electronic system;
- Performs tests according to ASTM standards 3078, 4169, 4991, and 5094;
- Ideal for laboratory investigation of limit parameters or continuous use in a production line.



TECHNICAL SPECIFICATIONS

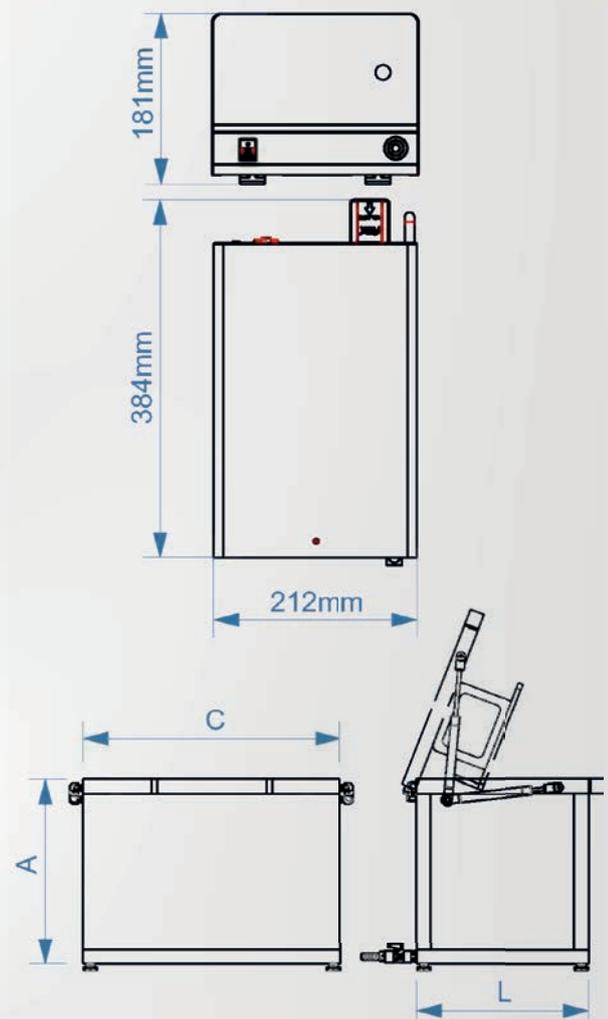
- **Power supply:** 24 VDC (110~220 VAC - external 60 W power source);
- **Communication:** Ethernet (10/100 Mbps)- Modbus/TCP, Profinet*, and Ethernet/IP* RS-232* - for communication with Printer, Scanner and Profibus;
- **Inputs/Outputs:** up to 8/8 programmable digital*;
- **Display (IHM):** 5" color touchscreen, 800x480 resolution;
- **Access control:** password, hard key RFID*;
- **Record memory:** 16 GB - over 1 million data points;
- **Parts registration:** up to 1000 models with photo;
- **Operating temperature:** +5 to +45°C;
- **Measuring units:** kPa, bar, psi, cmH₂O, mmHg etc;
- **Altitude units:** M e FT;
- **Ambient insulation:** IP41;
- **Built-in input filter:** 0,3 µm coalescent;
- **Cabinet material:** Galvanized steel and polycarbonate;
- **Chamber material:** High-impact acrylic;
- **Pneumatic circuit:** TEX;
- **Meter dimensions:** 212x181x384 mm;
- **Meter weight:** 7 Kg;
- **Chamber weight:** 11 Kg;
- **Chamber dimensions:**
75L: 300x620x680mm
25L: 325x450x300 mm
15L: 150x450x300 mm
5,5L: 150x300x200 mm;
- **Included:** digital manual, power supply, tubes, and connectors;
- **Optionals:** RFID tag reader, differential pressure with probe, outputs for external pilot and exhaust, special test programming, Profinet/Ethernet-IP/Profibus communication, barcode/QR code scanner, input pressure monitor.

(* - Optionals)



MEASUREMENT RANGES

Test pressure ranges: - 800 mbar.
Accuracy of test pressure: 0,25% of the scale.





Come and join the customers who are already reducing waste, innovating and digitizing their hermeticity testing processes, among them the largest converters and brand owners in Brazil.

Be a success case, get in touch!

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