

Package Integrity Tester

RYCO LAB



The package integrity tester (P.I.T.) uses a vacuum method to measure the gasleaking from a wide range of flexible pack types and sizes. Items are placed manually into the unit, and the handle is closed to initiate the test sequence. Results are displayed as a Pass or Fail, along with a quantitative measure of the leakage rate.

The tests are fast—as short as 5 seconds for small packs—objective, easy to use and reliable. They do not stress or inflate the package, are dry and non-destructive. 20 test methods can be programmed and stored with simple access if modifications to test methods are required. For ease of operation and traceability there are menu prompted diagnostic functions and calibration routines. The tester includes test data logging for the past 30 days operation.

Options

- Vacuum pump and reservoir for highest testing speeds
- Power input 115V or 230V AC
- Trolley mounted version for testing larger packs

Specifications

- Accepts a wide range of pack sizes and shapes without adjustment
- Rapid testing – From 5-15 seconds for most standard packs
- Simple operation – test initiates from handle closure
- Test results shown on lamps: Pass – Fine Fail – Coarse Fail
- Quantitative result on backlit display
- Methods/Tests 20 methods (numbered 0 to 19). User programmable to optimize for different sized products. Memory – 30 days of results (1 file per day). On the 31st day, the first days results are cleared.- 30 days of tracking the test counters progress (1 file per 10 days). On the 31st day the first 10 days are cleared.
- Allows periodic upload for mandatory record keeping and trend identification.
- Test parameters stored and accessible under password access
- Setting and control of test times and parameters from keyboard
- Internal generation of test vacuum from compressed air
- High resolution measurement of leak rate
- Recall of most recent test data to review test parameters
- Calibration port for pressure and leak rate
- Stainless steel construction
- Accepts items up to 400 x 300mm (depending on the thickness)
- Compressed air consumption: 60 Ltrs min intermittent
- Power consumption: 50 Watts
- Shipping weight : 35 Kgs