



BT INTEGRA PACK



Standard features

- Complies with standards for all commonly-used Seal Strength and Package Integrity tests
- Automatic Burst Test Mode
 - Results right out of the box, no lengthy setup
 - Senses package size during prefill
- Manual Burst Test Mode
 - Multiple levels of control for optimal test results: Ramp Rate, Porous vs. Non-Porous Packages, Max/Min Acceptance Limits, Pressure Drop Sensitivity
- Advanced, user-defined interface compatible with USB keyboards, mice, bar code readers
- Low Power Stand-by Mode for energy conservation
- Graphical test plot display for leak, burst and creep tests
- High Resolution Color LCD Display with Touchscreen
- Standard and Metric units
- Test data exporting to PC using Flash Drive
- High Performance
 - Higher Pressure Resolution (0.01 psi burst, 0.001 leak)
 - Automatic Regulator (fast pressure setting)
 - High Flow Capacity (up to 15 CFM)
 - Low Pressure Sensitivity at 5 InH₂Ow

Seal Strength and Package Integrity Tester for Flexible Packages

The BT Integra-Pack® is a bench-top, high-resolution (0.001 psig) test instrument with a small footprint and user-friendly ease of operation. Electronic pressure and flow controls provide precise and repeatable test conditions, while automatic and high flow output allow testing of large porous packages. Applications cover a range of flexible or rigid, porous and non-porous, open or sealed packages.

Automatic or Manual Parameter definition

The intelligent BT Integra-Pack will test any package in automatic mode, with no need to input test parameters. However, its sophisticated nature is combined with a manual mode that lets the user input parameters such as ramp rate control and back pressure drop sensitivity. This allows testing of special configurations or types of packages or perform specific research and data-gathering activities.

Icon-based, Touch-Driven Color Display

The touchscreen color display provides easy, clear navigation through the wide variety of data handling and review screens. Clearly defined icons make it easy to choose test modes, move from automatic to manual test settings, view test results in numeric and/or graphical format, and securely handle accumulated data.

The BT Integra-Pack is a definitive stepforward for traditional burst testing. A completely integrated process control tool, the instrument is not only valuable at the point of testing, but is also able to transmit your data from direct process control to your quality department, making it a quality control tool as well. Its objective is to enable you to produce a package that is as valid as the product enclosed.

Technical specifications

Power Supply Voltage

100 to 230 VAC 50/50 Hz, 45 watts max
5 watts in Standby mode

Air Supply Pressure

60 to 120 psig (4.0 to 8.0 bar),
Instrument Quality Air

Controls

Electronic Pressure Control, Illuminated
Start/Stop Switch, Key Lock, Power ON/OFF Switch

Test Modes

Burst, Creep, Creep-to-Failure, Pressure Decay Leak

Display

Multicolor 5.7" QVGA, Touchscreen

Units of Measure

PSI / InH₂O / mbar / kPa / InHg

Memory Capacity

32 Mbytes
Expandable Memory, Internal SD Slot (optional)

Measuring Range

5 InH₂O to 50 PSI (12.5 to 3450 mbar)

Measuring Resolution

BURST: 0.01 psi (0.3 InH₂O) or 0.7 mbar
LEAK (Pressure Decay): 0.001 psi (0.03 InH₂O) or 0.07
mbar)

Communication (I/O)

USB Type A (x2)
VGA D sub 15, Monitor
Network LAN (RJ-45)
DB9 - Serial RS-232
USB Slave for PC, Type B

Calibration

NIST Traceable

Standards

ASTM F-1140, F-2054, F-2095

Peripheral I/O

8 Opto Outputs, 8 Inputs, 3 Digital I/O

Accessories

- Tilting Stand
- Internal SD Card for Expanded Storage (Internal)
- TS-02 Closed Package Test Fixture
- Test Probes (various sizes available)
- TS-01 Open Package Fixture, 12" Jaw Width
- TS-04 Open Package Fixture, 24" Jaw Width
- Restraining Plate Fixtures
- LA-05 Filter Drying Assembly
- USB Printers
- Digital Flow Valves, Leak Orifices
- Custom Fixtures and Adapters for Your Application