

AUTOMATED PACKAGE TESTER BT-1000



Features

- Seal strength tests
 - Burst tests
 - Creep tests
 - Leak integrity test
 - Security keylock
 - Graphic display
 - Sps Statistics
 - Control of variables
- The BT-1000 automated package tester is designed to test flexible packaging and provide both seal strength and leak testing in one instrument. Control of critical variables and quantitative measuring methodology yields highly repeatable and precise results for proactive process control and quality documentation.
- The BT-1000 will perform seal strength tests (burst, creep and creep-to-failure) on porous or nonporous exible packages, and leak integrity testing on non-porous packages.
- Highly repeatable, quantitative results from clean, dry air tests that are easy to program and perform.
 - Eight test modes are standard for leak testing and seal strength testing on the same non-porous package.
 - Models are available for HIGH PRESSURE or LOW PRESSURE applications.
 - The menu system allows easy input and storage of up to 40 programs, with data storage for up to 1000 test results.
 - Real time statistical analysis is accessible on demand, including graphical presentation of the burst graph for each individual test, for the highest level of process control.
 - RS232 computer connection is standard for data; Ethernet connectivity is available to allow data to be transmitted from the instrument to a LAN.
 - Standard fixtures are available for Closed Package Testing, Open Package Testing, and restrained package testing.
 - The TME BT-1000 Automated Package Tester conforms to ASTM and ISO-11607 guide lines. Calibration is NIST traceable.

Technical specifications

Tests

Single tests: burst, creep, creep-to-failure, leak

Dual tests: creep/leak, creep/burst, leak/burst, leak/creep-to-failure

Test units

Psig, inches of H2O

Controls

Electronic pressure control, electronic flow control in 16 steps for porous and airtight package, push buttons, keylock, power on/off switch, key pad

Memory

Datalog memory saves up to 1000 test results

Program memory saves up to 40 test programs

Statistics display

Mean and range control charts with UCL & LCL, histogram, mean, standard deviation, max, min, range, number of tests

Printer Port

DB 25 Female connector for automatic output of current test results, Manual output of test setup parameters, graphic plot, current results, data log, statistics

Auxiliary output

DB 25 female connector for PLC, Aux. Start/Stop, custom connections

Communications Port

DB 25 Male connector for Standard RS232 data string in ASCII format compatible with PC & Windows systems.

Output is automatic.

Calibration

NIST traceable

Timer ranges

0.1 to 1000 sec

Pressure range

0.2-50 psig and 1-100 psi, oil and moisture free clean air

Overall resolution

< 10 psig 0.05 psig, > 10 psig 0.25 psig

Power supply

115 V, 50/60 Hz, 150 W

Physical specifications

Display

LCD, 20 character x 16 line Alphanumeric/graphic display

Dimensions

13" x 15" x 6 1/2" (W x D x H)

Standards

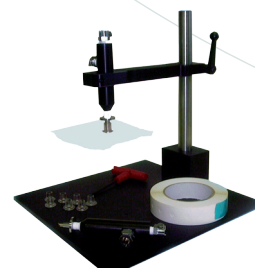
ISO 11607, ASTM F-1140, F-2054,



Restraining plate fixtures for leak testing pouches have semi-porous surfaces to stabilize expansion during pressurization without blocking any holes in the surface material. Restraining plate fixtures for seal strength tests provide consistent stress loading on all seals.



LA-05 filter drying assembly dries and removes water, oil and particulate matter from pressurizing air. The TME BT-1000 requires clean, instrument quality air in order to maintain the warranty on the instrument.



TS-02 closed package test fixture in conjunction with an entry system such as the Package-Port® system, allows you to test completely sealed flexible packages. A variety of probe sizes is available to further customize your test system.



TS-01 open package test fixture provides a pneumatically driven clamp that will seal the open end of a flexible package during inflation testing. Both 30.5 and 61 cm clamp bar models are available for most industrial, medical and food packages.

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