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Find the *TM Electronics BT-1000* at our website: ***Click HERE***

TM Electronics, Inc.
Specialists in Leak, Flow and Package Testers

TME BT-1000 Automated Package Tester



Seal Strength and Package Integrity Tester for Flexible Packages

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. IQ OQ PQ validation is available through TM Electronics. The BT-1000 will perform seal strength tests (burst, creep and creep-to-failure) on porous or non-porous flexible 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.

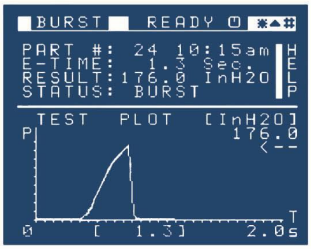
Standard fixtures are available for Closed Package Testing, Open Package Testing, and restrained package testing.

The TME BT-1000 Automated Package Tester conforms to ASTM and ISO-11607 guidelines. Calibration is NIST traceable.

Seal Strength Tests
Burst Tests
Creep Tests
Leak Integrity Test
Security Keylock
Graphic Display
SPC Statistics
Control of Variables
Fast, Clean Tests
Meets ASTM F-1140
Meets ASTM F-2054
Meets ISO-11607

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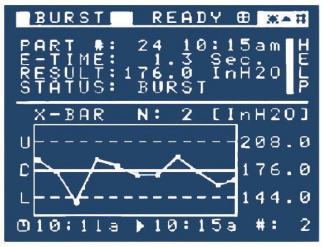
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The BT-1000 graphically shows the characteristic burst curve for each test.



Accumulating test data are shown in histogram form to give a visual overview of your process.



Ongoing test data are shown on a statistical control chart for tighter process control.

Graphical and statistical analysis screens from the TM Electronics BT-1000 Package Tester



SPECIFICATIONS

BT-1000 Automated Package Tester

Dimensions .....13"W x 15"D x 6 1/2" H
Power .....115V, 50/60Hz, 150 Watt
Controls.....Electronic Pressure Control
Electronic Flow Control in 16 Steps for Porous and Airtight Package, Push Buttons, Keylock, Power ON/OFF Switch, Key Pad
Single Tests.....Burst, Creep, Creep-to-Failure, Leak
Dual Tests.....Creep/Leak, Creep/Burst, Leak/Burst, Leak/Creep-to-Failure
Display..... LCD,20 character x 16 line Alphanumeric/Graphic Display
Test Units..... PSIG, Inches of H_2O
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 ..... 0.5 In H_2O









OPTIONAL ACCESSORIES

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 TME 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 12 and 24 inch clamp bar models are available

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