



# TME *Solution-C-BC*<sup>TM</sup>

**Non-Destructive  
Blister Card  
Leak Test System**

*Pressure or Vacuum Decay*

The TME *Solution-C-BC* Blister Card Test System produces quantitative results in non-destructive, pressure or vacuum decay leak testing of blister cards. The test instrument provides all the features of the high-resolution, technologically advanced TME *Solution-C* test instrument, and the customized test chambers accommodate your specific product.

*Interchangeable fixture inserts are custom designed and manufactured to maximize the sensitivity of the test on your particular blister cards.*

*Highly repeatable, quantitative results from non-destructive vacuum or pressure decay leak testing of blister cards, avoiding the loss of good product through testing*

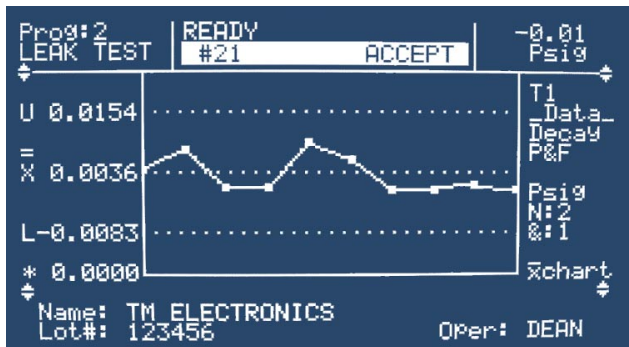
*Units of measure include PSI, InH<sub>2</sub>O, kPa, and mbar. CFR Part 11 Data Protection is standard in the TME *Solution-C* instrument, and calibration is NIST traceable.*

*Two way RS232 computer connection is standard for data collection and remote parameter control; Ethernet connectivity is available to allow data to be transmitted from the instrument to a LAN.*

**Non-Destructive**  
**Quantitative, Repeatable**  
**Ethernet Available**  
**High Resolution 0.0001 PSIG**  
**Pressure or Vacuum Decay**  
**Real Time SPC Statistics**  
**CFR Part 11 Data Protection**  
**NIST Traceable Calibration**

**TMElectronics, Inc.**

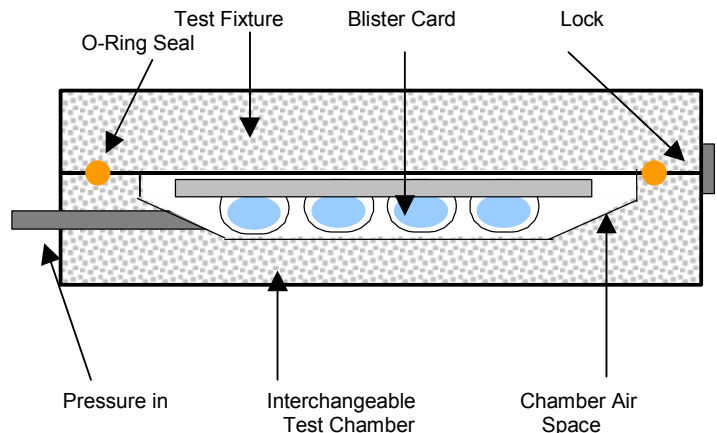
45 Main Street, Boylston, MA 01505 USA  
800-370-0501 or 508-869-6400



**The TME Solution-C enables real-time process control by providing statistical analysis of test results. Earlier detection of process problems reduces product loss.**

### How does the Pressure or Vacuum Decay Chamber Test for blister cards work?

When a blister card is placed in a surrogate chamber, a pressure differential can be created across the non-porous barrier on the package seal. Once stabilized, air movement from the higher pressure to the lower will indicate the presence of a leak path, providing a quantitative measure of package integrity without disrupting the blisters' seals.



The blister card is enclosed in the test chamber and the fixture locked. The airspace in the chamber is pressurized, stabilized and tested for pressure decay. No decay, no leaks; if a leak exists in the blister card seal or material, there will be measurable pressure decay as air leaks into the void volume in the blister. *Note that there must be an adequate void volume in the sealed blister to permit air movement in the presence of a leak.*

The chamber test can also be configured as a vacuum test for appropriate applications.

### SPECIFICATIONS - TME SOLUTION-C

- Dimensions..... 8 1/2"W x 16"D x 10"H
- Power .....US: 110/220V, 50/60Hz @ 2.5 Amps  
European: 230V, 50-60Hz @ 1.25 Amps
- Storage and/or Operating Environment..... 5-40°C  
(40-100°F), RH < 80%, non-condensing
- Controls..... Push Buttons, Touch Pad, Keylock, Power ON/OFF Switch
- Test Channels .....1
- Test Mode ..... Pressure or Vacuum, Single or Differential
- Single Tests.....Leak, Flow
- Dual Tests .....Leak/Flow, Flow/Leak
- Display.....Backlit Colored LCD, 40 character x 16 line  
Alphanumeric/Graphic Display
- Units .....PSI, Inches of H2O, kPa, mbar,  
others available
- DATALOG Memory ..... Up to 5000 Tests
- PROGRAM Memory.....Up to 100 Linkable Programs
- Statistics .....Mean and Range Charts, Histograms,  
Standard Deviation, Averages, Min/Max, UCL & LCL
- Manual Output ... ..... Test Setup Parameters, Current  
Results, Datalog and Statistics on Demand
- Automatic Output .....Current Test Results to  
Pre-Set-Up Printer
- Auxiliary Output ..... 24V Opto Isolated PLC Interface  
for Single and Multi-Port Configurations
- Communications Port .....RS232 Connector Program  
Input/Data Output
- Calibration .....NIST Traceable
- Timer Ranges ..... .1 to 1000 Sec.
- MODEL PRESSURE RANGE..... 0.5-5, 0.5-15.0, 1.0-50,  
2.0-100,5.0-250 psig
- VACUUM RANGE .....0.2-29 InHg
- RESOLUTION: Decay .....Max .0001 psi (.01 mbar/sec)
- FLOW RANGE (sccm) .....Standard 250-5000  
Available 10 sccm to 75 lpm
- FLOW RESOLUTION .....Standard 1 sccm  
Available 0.01 sccm to 1.5 lpm
- CLEANING.Soft cloth wetted with a glass cleaner such as Windex®

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