

THE TME SOLUTION

Non-Destructive Blister Card Test System *from the Specialists*



Non-destructive testing of non-porous blister cards

Customized test chambers accommodate your particular process needs, blister card sizes and shapes to detect holes as small as 5 microns.

Interchangeable test chambers enable you to test a variety of blister card sizes and shapes using the same basic fixture.

Gross Leak Detector to detect open or broken seals built into the leak test.



The Ultimate in Flexibility:

- ◆ *Highly Repeatable*
- ◆ *Quantitative Results*
- ◆ *Pressure or Vacuum Decay Testing*
- ◆ *Detects Leaks from Pinholes, Cracks, Seal and Channel Leaks*
- ◆ *Statistics Mode for Process Control*
- ◆ *Medical, Nutriceutical and Pharmaceutical Applications*
- ◆ *NIST Traceable Calibration Services*
- ◆ *CFR Part 11 Data Protection*

The TME Solution-C Blister Card Test System produces quantitative results in pharmaceutical, nutraceutical or food bottles by combining the sensitivity of pressure decay leak testing with the simplicity of sealed fixtures. This highly sensitive method uses a proprietary chamber design to find leaks in a variety of blister card sizes and shapes.

TMElectronics, Inc.
Specialists in Leak, Flow and Package Testing

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TME Solution Features

- **MULTIPLE STORED PROGRAMS:**
Program and store up to **100** different tests or test parameters
- **STORES 5000 TEST RESULTS**
- **ADJUST SET-UP TIMES** (fill, settle, test)
- **SET REJECT LIMITS** to detect fine or gross leaks
- **TWO WAY RS232 COMPUTER CONNECTION AVAILABLE** for data collection and remote parameter control
- **AUDIBLE AND VISUAL REJECT ALARM**
- **EASY TO USE TOUCH SCREEN MENUS**

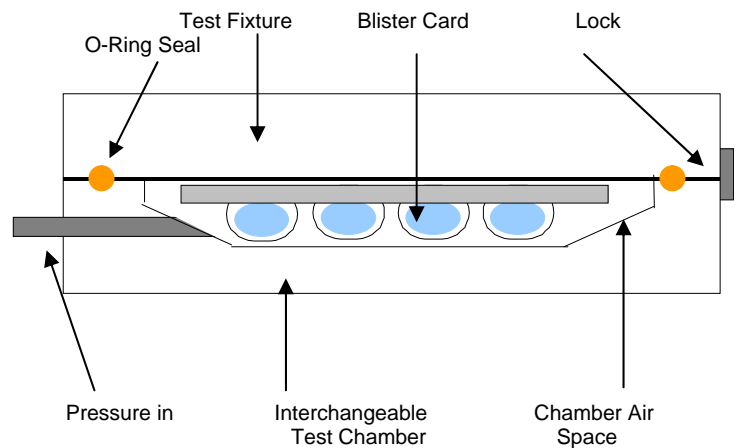
SPECIFICATIONS

TME SOLUTION-C LEAK AND FLOW TESTER

Dimensions..... 8 1/2"W x 16"D x 10"H
 Power 110/220V, 50/60Hz, 150 Watt
 Controls Push Buttons, Touch Pad, Keylock,
 Power ON/OFF Switch
 Test Channels 1,2,3 or 4 concurrent or sequential
 Test Mode Pressure or Vacuum, Single or Differential
 Single Tests Leak
 Display.....Backlit Blue LCD, 40 character x 16 line
 Alphanumeric/Graphic Display
 UnitsPSI, Inches of H2O, kPa, mbar, more
 DATALOG Memory Up to 5000 Tests
 PROGRAM Memory.....Up to 100 Programs
 StatisticsMean and Range Charts, Histograms, Standard Deviation, Averages, Min/Max, UCL & LCL
 Manual Output Prints the Test Setup Parameters, Current Results, Datalog and Statistics on Demand
 Automatic Output.....Current Test Results if Printer is Connected and Ready
 Auxiliary Output24V PLC interface
 Communications PortTwo Way Up & Downloadable Programs
 CalibrationNIST Traceable
 Timer Ranges1 to 1000 Sec.
 MODEL PRESSURE RANGES: 0.5-5, 0.5-15, 1-50, 2.0-100,
 5.0-250 psig; Vacuum 0.2-28 inHg
 RESOLUTION: DecayMaximum .0001 psi (.01 mbar/sec)

What is Pressure/Vacuum Decay Chamber Testing?

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.

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

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