

Non-Destructive induction welded seal leak test system

The TME Solution-CB induction welded seal test system produces quantitative test results on pharmaceutical, nutraceutical or food bottles by combining the sensitivity of non-destructive pressure or vacuum decay leak testing with the simplicity of sealed fixtures.

This highly sensitive method uses proprietary chamber design to find leaks in walls or seals of common bottle sizes widely used in industry today, including those with various shapes and neck or screw sizes.

Customized test chambers accommodate your particular process needs, bottle sizes and shapes to detect holes as small as 5 microns. Interchangeable fixture heads enable you to test a variety of bottle sizes and shapes with one test system.

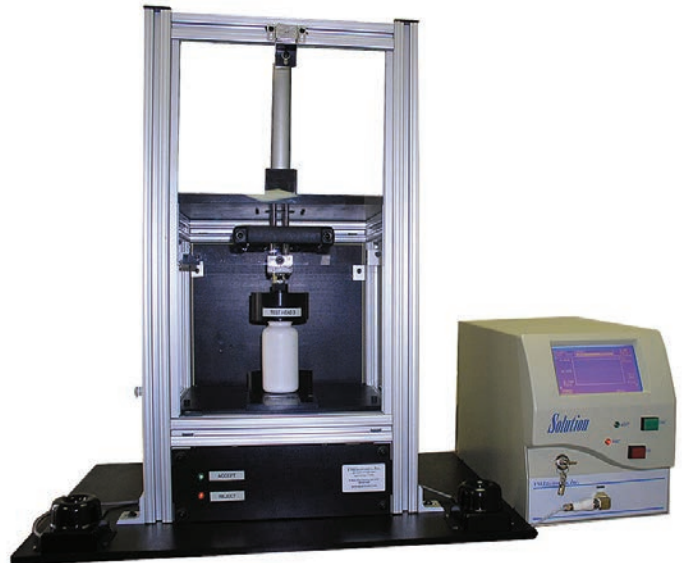
Fixture heads provide the test chamber and are custom designed and manufactured to maximize the sensitivity of the test on your particular welded seal.

Access doors interlock and two-handed anti-tie-down zero-force safety controls ensure a safe operating environment.

A Gross Leak detector that finds open or broken seals is built into the leak test.

A variety of units of measure are available including PSI, In H₂O, kPa, and mbar.

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

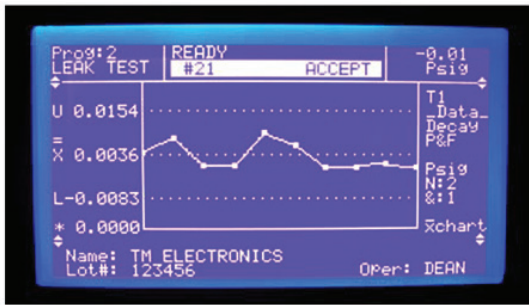
Detect holes as small as 5 microns

Pressure or vacuum decay

Real time SPC statistics

CFR Part 11 data protection

NIST traceable calibration



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

Specifications:

Dimensions: 8.5"W x 16"D x 10"H
 21.6W x 40.6D x 25.4H cm

Power Supply Voltage:
 US: 110/220V,
 50/60Hz @ 2.5 amps
 EU: 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

Units of measure: psi/ InH2O / kPa / mbar
 Others available

DATALOG Memory: Up to 5,000 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 preset
 printer

Auxiliary Output 24V Opto Isolated PLC
 interface for single and
 multi-port configurations

Communications: RS232, connector program
 input/output data

Calibration: NIST Traceable

Timer Ranges 0.1 to 1,000 sec

**Other Non-Destructive Bottle Testing
 Systems from TME**



This semi-automated TME Solution-CB non-destructive pressure decay leak test system for test individual pharmaceutical bottles includes two-hand anti-tie-down safety controls to ensure a safe operating environment.



These systems can be configured with interchangeable inserts to accommodate various shapes and sizes of bottles.

Pressure Specifications

Pressure Range (psig)	Resolution (psig)	Accuracy +/- 0.5% FDS
-13.5 - -0.5	0.0005	+/- 0.068
0.5 - 5	0.0001	+/- 0.025
0.5 - 15	0.0001	+/- 0.075
1.0 - 50	0.0005	+/- 0.25
2 -100	0.001	+/- 0.50
2 - 150	0.002	+/- 0.75
5 - 300	0.005	+/- 1.50

For custom pressure ranges - contact us

TM Electronics
An Industrial Physics Product Integrity Brand
 68 Barnum Road, Devens, MA 01434. USA
 Phone: (978) 772-0970
 Website: tmelectronics.com
 Email: PiSales@industrialphysics.com

