

Single or Multi-Port sequential or Concurrent Pressure or Vacuum Decay Leak or Leak/Flow Tester

The TME Solution is a high resolution leak or leak/flow tester featuring one to four channel concurrent or sequential leak and flow testing.

Sensitive, repeatable and reliable, the TME Solution can perform a variety of test types on product, including burst, occlusion, vacuum and pressure decay, crack, and differential pressure or vacuum. Real time process control provides statistical analysis of tests results enabling earlier detection of process problems

Touch screen menu-driven operation allows the operator to control the test parameters, examine statistical analysis of results or download data files easily.

The TME Solution, in conjunction with custom fixtures, accessories and engineering support, provides a complete turnkey solution to your leak and flow testing needs.

Clean, Dry Tests with Repeatable, Quantitative Results. Stores up to 100 different tests or test parameters and has a datalog capacity of 5000 test results.

Real time statistical analysis accessible on demand, including quality control charts for proactive process control.

Two Way RS232 Computer Connection is standard for data collection and remote parameter control; Ethernet connectivity available to allow data to be transmitted from the instrument to a LAN.

The TME Solution conforms to ASTM guideline and provides CFR Part 11 Data Protection. Calibration is NIST traceable.



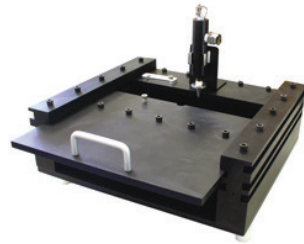
Two port TME Solution

One to Four Channels
Concurrent or Sequential
Ethernet Available
High Resolution 0.0001 PSIG
Pressure or Vacuum Decay
CFR Part 11 Data Protection
SPC Statistics
Pressure Rise Measurement
Dual Switching Capability
Calibration NIST traceable

Specifications:

- Dimensions:** 8.5"W x 16"D x 10"D
21.59 x 40.64 x 25.4 cm
- Power:** US: 115V, 50/60Hz @ 1.5 amps
EU: 230V, 50/60Hz @ 1.25 amps
- Storage and/or Operating Environment** 5 – 40°C (40–100°F), RH <80%
Non-condensing
- Test Mode:** Pressure or Vacuum, Single or Differential
- Test Channels:** 1,2,3 or 4 concurrent or sequential
- Controls:** Push buttons, Touch pad, Keylock, Power on/off
- 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 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 pre-set-up printer
- Communications Port:** RS232 connector program Input/Data output
- Calibration:** NIST traceable
- Timer ranges:** 1 to 1,000 sec.

Optional Accessories:



RESTRAINING PLATE FIXTURES
For leak testing pouches. 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 Solution requires clean, instrument quality air in order to maintain the warranty on the instrument.



RS-01 RADIAL SEALING FIXTURE
A pneumatically operated clamp that provides either a sealed leak tight access to a tubular product or a sealed leak tight dead end to the product during pressure decay leak testing.

The radial sealing fixture can be configured to diameters from approximately 0.022 to 6.000 inches.

**Example Pressure Specifications:
Contact us for custom pressure ranges**

Pressure Range	-13.5 – -0.5 psi	5 – 300 psi
Resolution (psig)	0.0005	0.005
Accuracy	+/- 0.068	+/- -1.50

**Example Flow Specifications:
Contact us for custom flow ranges**

Flow Range	10.0 – 500 ccm	200 – 10,000 ccm
Resolution (ccm)	0.1	1
Accuracy +/- 2% FSD	+/- 10.0	+/- 200

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

