



## TME Solution™

### Single or Multi-Po sequential or Concurrent Pressure or VacuumDecay Leak or Leak/Flow Tester

The TME Solution is a high resolution leak or leak/ow 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 statical 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 les easily.

The TME Solution, in conjunction with custom fixtures, accessories and engineering support,

[www.tmelectronics.com](http://www.tmelectronics.com)

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

## Designed to meet:

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	✓

### Optional included:

- **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.



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

Flow Range	10.0 - 500 (ccm)	200 - 10,000 (ccm)
<b>Resolution (ccm)</b>	10.1	1
<b>Accuracy +/- 2% FSD</b>	+/- 10.0	+/- -1.50

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# Technical Details

## Maximum Package 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 H<sup>2</sup>O,  
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.

## TM Electronics

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