TM Electronics, Inc.

Specialists in Leak, Flow and Package Testers







TME SOUTH TM

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. 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.

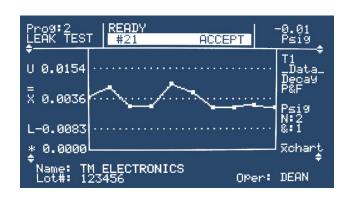
One to Four Channels
Concurrent or Sequential
Ethernet Available
High Resolution 0.0001 PSIG
Pressure or Vacuum Decay
CFR Part 11 Data Protection
SPC Statistics
Pressure Rise Measurement
Dual Switching Capability

TMElectronics, Inc.

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



TME Solution single-port leak tester with custom fixture for testing heavy industrial products.



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

SPECIFICATIONS - TME SOLUTION

Dimensions
PowerUS: 110/220V, 50/60Hz @ 2.5 Amps
European: 230V, 50-60Hz @ 1.25 Amps
Storage and/or Operating Environment5-40°C
(40-100°F), RH < 80%, non-condensing
Controls Push Buttons, Touch Pad, Keylock, Power
ON/OFF Switch
Test Channels1,2,3 or 4 concurrent or sequential
Test Mode Pressure or Vacuum, Single or Differential
Single TestsLeak, Flow
Dual TestsLeak/Flow, Flow/Leak
DisplayBacklit Colored LCD, 40 character x 16 line
Alphanumeric/Graphic Display UnitsPSI, Inches of H2O, kPa, mbar,
others available
others available DATALOG Memory Up to 5000 Tests
PROGRAM MemoryUp to 100 Linkable Programs
StatisticsMean and Range Charts, Histograms,
Standard Deviation, Averages, Min/Max, UCL & LCL
Manual Output Test Setup Parameters, Current
Results, Datalog and Statistics on Demand
Automatic OutputCurrent Test Results to
Pre-Set-Up Printer
Auxiliary Output 24V Opto Isolated PLC Interface
for Single and Multi-Port Configurations
Communications PortRS232 Connector Program
Input/Data Output
CalibrationNIST 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
2.0-100,5.0-250 psig VACUUM RANGE
RESOLUTION: DecayMax .0001 psi (.01 mbar/sec)
FLOW RANGE (sccm)Standard 250-5000
Available 10 sccm to 75 lpm
Available 10 sccm to 75 lpm FLOW RESOLUTIONStandard 1 sccm
Available 0.01sccm to 1.5 lpm
CLEANING.Soft cloth wetted with a glass cleaner such as Windex®
CLEANING. SOIT CIOTH WETTER WITH a glass cleaner such as WINDEX

OPTIONAL ACCESSORIES

RESTRAINING PLATE FIXTURES for leak testing pouches have semiporous surfaces to stabilize expansion during pressurization without blocking any holes in the surface material.

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 TME Solution requires clean, instrument quality air in order to maintain the warranty on the instrument.



RS-01 RADIAL SEALING FIXTURE is 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.





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