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TM Electronics, Inc.

Specialists in Leak, Flow and Package Testers





TME *Solution*™

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

TM*Electronics, Inc.*
45 Main Street, Boylston, MA 01505 USA
800-370-0501 or 508-869-6400
sales@tmelectronics.com **www.tmelectronics.com**

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



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..... 8 1/2"W x 16"D x 10"H
Power .....US: 115V, 50/60Hz @ 1.5 Amps
. European: 230V, 50-60Hz @ 1.25 Amps
Storage and/or Operating Environment..... 5-40°C (40-100°F), RH < 80%, non-condensing
Control..... 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, 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 5000 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
Auxiliary Output ..... 24V Opto Isolated PLC Interface for Single and Multi-Port Configurations
Communications Port .....RS232 Connector Program Input/Data Output
Calibration .....NIST Traceable
Timer Ranges .....1 to 1000 Sec.
CLEANING .Soft cloth wetted with a glass cleaner such as Windex®

OPTIONAL ACCESSORIES



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

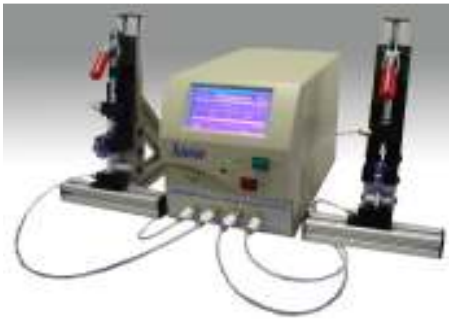


Restraining plate fixtures for seal strength tests provide consistent stress loading on all seals.

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.



TME Solution four-port leak tester with custom dual switching fixtures

Pressure Specifications (For Custom Pressure Ranges contact Sales)

Pressure Range	-13.5 - -0.5 psig	0.5 – 5 psig	0.5 – 15 psig	1.0 – 50 psig	2 – 100 psig	2 – 150 psig	5 – 300 psig
Resolution (psig)	0.0005	0.0001	0.0001	0.0005	0.001	0.002	0.005
Accuracy +/-0. 5% FDS	+/- 0.068	+/- 0.025	+/- 0.075	+/- 0.25	+/- 0.50	+/- 0.75	+/- 1.50

Flow Specifications (For Custom Pressure Ranges contact Sales)

Flow Ranges	10.0 – 500 ccm	20 – 1000 ccm	100 – 5,000 ccm	200 – 10,000 ccm
Accuracy +/- 2% FSD	+/- 10.0	+/- 20.0	+/- 100	+/- 200
Resolution (ccm)	0.1	1	1	1

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