



TME
INDUSTRIAL
Solution™

**Single or Multi-Port
Leak and Flow Tester for
Industrial Environments**

The TME Industrial *Solution*™ enables leak and flow testing in environments where an ordinary test instrument would be subjected to possible damage. The instrument's electronics and pneumatics are contained in one steel enclosure, and the touch-screen display is protected by a clear window. The instrument is available with one to four ports for pressure or vacuum leak and flow testing. **The TME Industrial *Solution* provides all the reliability, sensitivity and ruggedness of the TME *Solution* Leak and Flow Tester with protection from your wet or dusty industrial environment, and can be made to meet NEMA specifications.**

Case, External Switches and Indicators are safe for wet or dusty industrial environments, and can be made to meet NEMA specifications.

PLC Controls drive the programs and functions – no need to open the case. A variety of units of measure are accessible through the menu including PSI, InH₂O, kPa, and mbar.

High instrument resolution of 0.0001 psi (0.01 mbar)/second enables the most sensitive test results.

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.

Provides CFR Part 11 Data Protection, and conforms to ASTM guidelines. Calibration is NIST traceable.

Safe for Wet or Dusty Areas

Can meet NEMA-4 Standards

One to Four Channels

Concurrent or Sequential

Pressure or Vacuum Decay

Ethernet Available

Non-Destructive, Clean, Dry

High Resolution 0.0001 psig

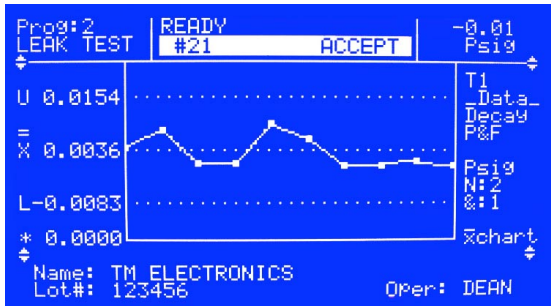
CFR Part 11 Data Protection

Meets ASTM Guidelines

SPC Statistics

TMElectronics, Inc.

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



Real time statistical analysis and quality control charts are accessible on demand for the highest level of process control.

SPECIFICATIONS - TME INDUSTRIAL Solution

Dimensions (Vertical Mount) 16" x 20" x 8"
 PowerUS: 110/220V, 50/60Hz @ 2.5 Amps
 European: 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 Channels1,2,3 or 4 concurrent or sequential
 Test Mode Pressure or Vacuum, Single or Differential
 Single TestsLeak, Flow
 Dual TestsLeak/Flow, Flow/Leak
 Display.....Backlit Colored LCD, 40 character x 16 line
 Alphanumeric/Graphic Display
 UnitsPSI, Inches of H2O, kPa, mbar, 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 Ranges1 to 1000 Sec.
 MODEL PRESSURE RANGES:..... 0.5-5, 0.5-15.0, 1.0-50,
 2.0-100,5.0-250 psig
 VACUUM RANGE0.2-29 InHg
 RESOLUTION: DecayMaximum .0001 psi (.01 mbar/sec)
 FLOW RANGE (sccm)Standard 250-5000
 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®

**The Ultimate in Testing
 Flexibility Integrated into your
 Automated Assembly Machine**



Optional Accessories

LA-05 FILTER DRYING ASSEMBLY dries and removes water, oil and particulate matter from pressurizing air. The TME INDUSTRIAL Solution requires clean, instrument quality air in order to maintain the warranty on the instrument.

CUSTOM DESIGNED FIXTURES are available for mechanical and/or electronics interface needs. Contact a TME Applications Specialist to discuss the integration of the TME INDUSTRIAL Solution into your automated assembly operation.

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

sales@tmelectronics.com www.tmelectronics.com