

LACO's AURA™ Multi-Test is an automated multi-functional air leak tester designed for the most demanding production leak testing applications. The standard model can be configured to one of five robust test methods with up to four channel testers for decay testing, and easily integrates with required test fixtures and tooling. In applications where customization is needed, it provides complete flexibility. The AURA Multi-Test can be customized with modified internal components, unique test sequences, and other software functionality to meet your exact test specifications.



2 YEAR WARRANTY ON LEAK TESTER
LIFETIME WARRANTY ON CALIBRATED LEAK STANDARD

FEATURES

- Five leak test methods: vacuum decay, pressure decay, differential pressure, mass flow, and mass flow differential
- Integrated NIST traceable calibrated leak standard with lifetime warranty from our ISO/IEC 17025:2017 Accredited Calibration Lab
- Two test acceptance methods: pressure drop or calibrated leak standard (for vacuum/pressure decay)
- Up to 100 customized test recipes
- 7.0" color touchscreen with real-time graphing
- Four channel testers available for decay testing
- Tooling, chambers, or software customization
- Automated part clamping/sealing
- Remote I/O via DB-15 Control

SPECIFICATIONS

COMPONENT	DESCRIPTION
CONTROL SYSTEM	Micro controller with 7.0" color touchscreen and illuminated start/stop buttons
COMMUNICATION	Ethernet (TCP/IP) + RS232 (for remote control and bar code)
TEST METHODS	Pressure and vacuum decay, differential pressure, mass flow, mass flow differential, and force decay (custom)
TEST PRESSURE	Up to 3,000 psig
LEAK TEST SENSITIVITY	< 0.1 scc/m (time and part size dependent)
PRESSURE RESOLUTION	24 Bit A-D, 0.00001 psi resolution (0-100 psig full scale)
LEAK STANDARD	Includes, ISO/IEC 17025:2005 certified / NIST- traceable Calibrated Leak Standard with lifetime warranty
PNEUMATICS	Compressed air required (70-120 psig)
DIMENSIONS	11" H x 16" W x 16" D (28 cm H x 41 cm x 41 cm D) with sloped front. Mounting table top box or system frame mount
ELECTRICAL	90-250 VAC, 50/60 Hz, 250 watts, & IEC C13 connection
CONTROL OPTIONS	Controller includes standard I/O (5 inputs, 7 outputs via DB-15 Connector 24 VDC logic)
MOUNTING	Table top box or system frame mount

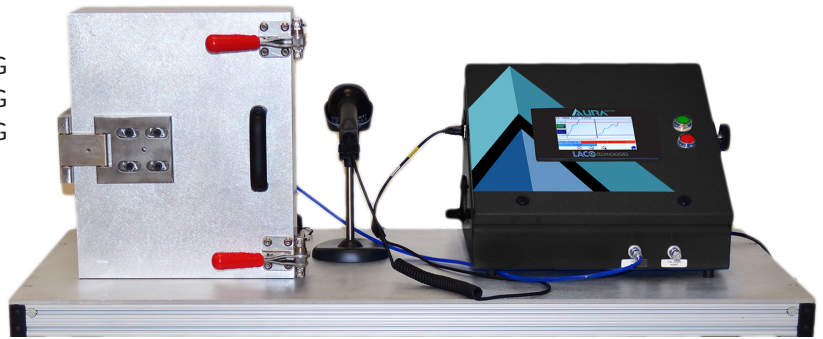
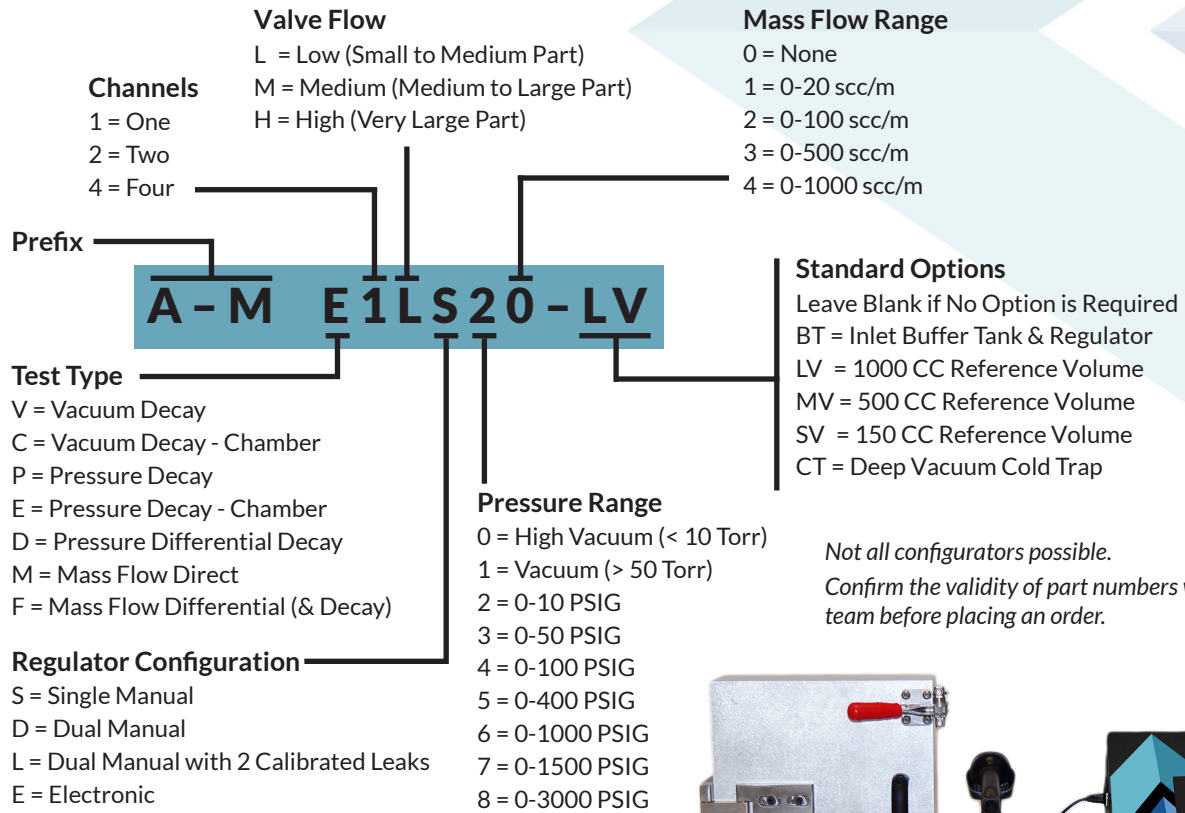
OPTIONS & ACCESSORIES

- Two test pressures and fast fill option
- Volume dump method for testing sealed (non-fillable) parts
- Customize to large flow or high pressure
- Combined force decay and pressure decay for testing flexible parts
- Bar code reader and status enclosure

COMMUNICATION & DATA LOGGING

- Ethernet + RS232 Interface for remote control
- Enter test ID data manually or via optional bar code reader
- Test summary log to .csv file
- Retrieve data by SD card or Ethernet connection
- Data storage capacity of over 5 million test results via internal 8GB SD Card

PART NUMBER MATRIX



Automated air vacuum decay leak testing system using the AURA™ Multi-Test Leak Tester, a LACO vacuum test chamber (with three inserts to accommodate three different part sizes), and a barcode reader for easy data collection.

AURA MULTI-TEST ACCESSORIES	
DESCRIPTION	PART NUMBER
Bar Code Reader for AURA Multi-Test	TV118566
AURA Status Enclosure	ASE01

EXTERNAL OPEN-STYLE CALIBRATED LEAK STANDARDS FOR AURA MULTI-TEST				
GAS	LEAK RATE	INLET PRESSURE	CONNECTION	PART NUMBER
Air	0.1 scc/m	25 psig	Straight, 10-32 Male	CM521.0-11009A0/3/25-2
Air	0.2 scc/m	25 psig	Straight, 10-32 Male	CM522.0-11009A0/3/25-2
Air	0.3 scc/m	25 psig	Straight, 10-32 Male	CM523.0-01009A0/3/25-2
Air	5 scc/m	25 psig	Straight, 10-32 Male	CM525.0-11009A0/3/25-2



10-32 thread open-style leak standard

(Many other leak standard configurations available including alternate leak rate values based on different pressure requirements.)
 (Quotes for custom configurations available upon request.)