

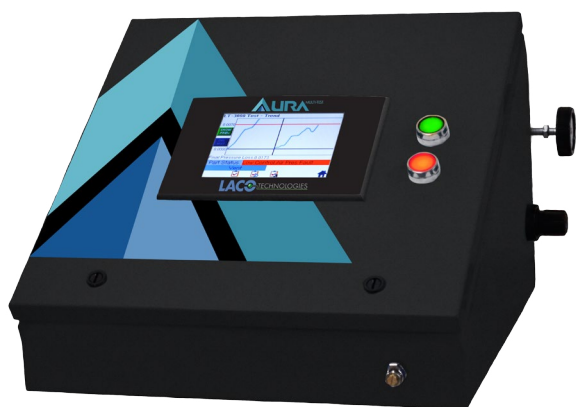
LACO TECHNOLOGIES

AURA[™] MULTI-TEST AIR LEAK TESTER

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

2 YEAR WARRANTY ON LEAK TESTER

LIFETIME ON CALIBRATED LEAK STANDARD



FEATURES

- Five leak test methods: vacuum decay, pressure decay, differential pressure, mass flow, and mass flow differential
- Built-in, ISO 17025 certified/NIST traceable calibrated leak standard with lifetime warranty
- Two test acceptance methods: pressure drop or calibrated leak standard (for vacuum/pressure decay)
- Up to 100 customized test recipes
- 5.7" color touchscreen with live graphing
- Two channel testers available for decay testing
- Tooling, chambers, or software customization
- Automated part clamping / sealing

SPECIFICATIONS

COMPONENT	DESCRIPTION
CONTROL SYSTEM	Micro controller with 5.7" color touchscreen and illuminated start/stop buttons
COMMUNICATION	Ethernet and 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	Standard test pressures up to 100 psig (higher pressures available)
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 17025 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 for remote control and clamping plus spare I/O (digital and analog) to provide a customized solution

OPTIONS & ACCESSORIES

- Two test pressures and fast fill option
- Volume dump method for chamber testing
- Customize to large flow or high pressure
- Combined force decay and pressure decay for testing flexible parts
- Electronic regulators
- Bar code reader and ticket printer

COMMUNICATION & DATA LOGGING

- Ethernet interface and remote control (RS232)
- 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

Pressure Range

0 = Vacuum
 1 = 0-10 PSIG
 2 = 0-50 PSIG
 3 = 0-100 PSIG
 4 = 0-5" H2O Differential, 150 PSIG Max
 5 = 0-1 PSID Differential, 150 PSIG Max
 6 = 0-50 scc/m Flow, 25 PSIG Max
 7 = 0-750 scc/m Flow, 25 PSIG Max

Prefix

A - M - P 1 - F 1

Test Type

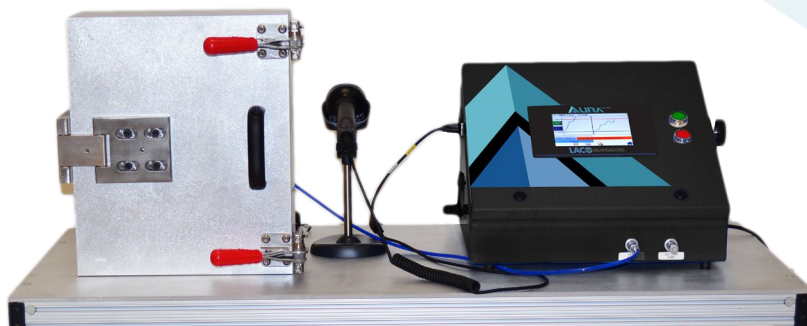
V = Vacuum Decay
 P = Pressure Decay
 D = Differential (& Decay)
 M = Mass Flow Direct
 F = Mass Flow Differential (& Decay)

Standard Options

F0 = 2 Fill or Test Pressures - 2nd Pressure Range - Vacuum
 F1 = 2 Fill or Test Pressures - 2nd Pressure Range - 0-15 PSIG
 F2 = 2 Fill or Test Pressures - 2nd Pressure Range - 0-50 PSIG
 F3 = 2 Fill or Test Pressures - 2nd Pressure Range - 0-100 PSIG
 TC = 2 Test Pressures, 2 Calibrated Leak Standards
 VD = Volume Dump (test sealed part)
 M2 = Dual Manifold



LT-BC (bar code reader)



Automated air vacuum decay leak testing system using the AURA™ Multi-Test leak tester, a LACO vacuum test chamber (with 3 inserts to accommodate 3 different part sizes), and a bar code reader for easy data collection.

AURA™ MULTI-TEST ACCESSORIES

DESCRIPTION	PART NUMBER
Bar Code Reader for AURA™ Multi-Test	LT-BC
Ticket Printer for AURA™ Multi-Test	LT-PT

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	0.3 scc/m	25 psig	Straight, 10-32 Male	CM523.0-11009A0/3/25-2
Air	5 scc/m	25 psig	Straight, 10-32 Male	CM525.0-01009A0/3/25-2
Air	0.2 scc/m	25 psig	Straight, 10-32 Male	CM522.0-11009A0/3/25-2

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



10-32 thread open-style leak standard