Quality First Systems
A Test Products, Inc. Company

LTI-250

The LTI-250A is a versatile tool that can perform both mass flow and pressure decay tests. It is particularly useful in applications where two different tests need to run concurrently or when machine control is needed. The leak tester can store the leak rate detected and test results, which can be collected using the RS-232 port supplied on the unit.

Mass Flow

The LTI-250A is equipped with a mass flow transducer that displays corrected airflow readings. This cutting-edge technology ensures that the test results are independent of daily changes in barometric pressure and ambient temperature, providing you with precise and reliable data. The instrument measures the leakage or flow of air through the part under test at a specific test pressure, and the leakage or flow is displayed in actual engineering units, further enhancing the accuracy of the readings.

Pressure Decay/Change

The LTI-250A offers two pressure decay/change methods, each suitable for different applications. The first is the gage-pressure-decay test method is ideal for applications with a high leak rate specification or a small test volume. The second, the pressure-differential-decay test method is more suitable for applications with a low leak rate specification or a large test volume. In both cases, the leak test instrument pressurizes the test part, stabilizes the air pressure within the part, and measures the decay/change in pressure.

Specifications

Dimensions: 12"x14"x8"

Weight: 27-32lbs

Operating Temperature: 35-130°f (2-55°c)

Relative Humidity : 0-95% Non-Condensing

Standard Full-Scale Range: 10sccm to 30slpm

Maximum Full-Scale Range: up to 300slpm

Pressure Test Input Pressure: 125psig Maximum (std)

Pressure Test: 100psig Maximum (std)

Vacuum Test Input Vacuum: 30 in Hg Maximum (std)

Vacuum Test : 25 in Hg Maximum

TEST PRODUCTS, INC.
41255 Technology Park Drive
Sterling Heights, Michigan USA 48314
(586) 997-9600 • tpiusa.com

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