

LTI-5000

The LTI-5000 is a PC-based unit that can be used for performing mass flow or pressure decay tests. Its adaptability makes it suitable for a wide range of applications, particularly those that require the system to be placed on a plant network. This unit offers the most flexible data collection means, ensuring it can meet the unique needs of your testing environment. The standard data collected includes test start and completion time, test channel and limit table used, end-of-test pressure and flow reading, test result, and data export verification.

Mass Flow

The LTI-5000 displays corrected airflow readings using a mass flow transducer. This state-of-the-art feature ensures that the test results are independent of daily changes in barometric pressure and ambient temperature, providing accurate readings every time. This leak test instrument measures the leakage or flow of air through the part under test at a specific test pressure. When the leak test engages, the unit automatically pressurizes the part, allows the air pressure within the part to stabilize, and measures the actual leakage through the part. The leakage or flow is displayed in actual engineering units.

Pressure Decay/Change

Two pressure decay/change methods are available depending on the specific application. The gage-pressure-decay test method is suitable for applications with a high leak rate specification or a small test volume. It measures the decay in pressure from the initial test pressure. The pressure-differential-decay test method, on the other hand, is ideal for applications with a low leak rate specification or a large test volume. It measures the change in pressure between the initial and final test pressures. With either method, this leak test instrument pressurizes the test part, stabilizes the air pressure within the part, and measures the decay/change in pressure.

Specifications

Dimensions: 24"x24"x20"

Weight: 30-90lbs

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: 25 in Hg Maximum (std)

Vacuum Test: 20 in Hg Maximum



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