

LTI-06

The leak test instrument 6 (LTI-06) is a single-channel test system that operates on clean, dry shop air. It accurately tests for product leaks and is capable of testing Mass Flow, Pressure Decay/Change, & Leak/Flow with an accuracy of $\pm 1\%$ Full Scale. The LTI-06 is designed for ease of use—it's easy to set up and operate, affordable, comes with a 10" color screen, and offers 30 Limit Tables for various pre-programmed testing via Pressure or Vacuum with ranges of 0-10sccm and 0-300slpm. Enclosed in a custom modular housing, the unit mounts easily to many surfaces and structures, making it a convenient and efficient solution for your testing needs.

Mass Flow

The LTI-06 displays corrected airflow readings using a mass flow transducer. This state-of-the-art technology provides test results that are independent of daily changes in barometric pressure and ambient temperature. 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 is initiated, this instrument 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. Applications with a high leak rate specification or a small test volume utilize a gage-pressure-decay test method. Applications with a low leak rate specification or a large test volume will use a pressure-differential-decay test method. 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

Single	Double
Dimensions: 18"x23"x11"	24"x31"x12"
Weight: 45lbs	90lbs
Operating Temperature: 35-130°F (2-55°C)	
Relative Humidity: 0-95% Non-Condensing	
Standard Full-Scale Range: 20sccm to 5slpm	
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	



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