

Micro Flow Tunnel MFT-6

PRELIMINARY DATASHEET

Features

The MFT-6 Micro Flow Tunnel is designed to provide accurate and repeatable airflow volume measurements from 0.60 scfm to 6.00 scfm. An integral counter blower fan is used to null differential pressure at the test unit for either exhaust or intake flow measurements.

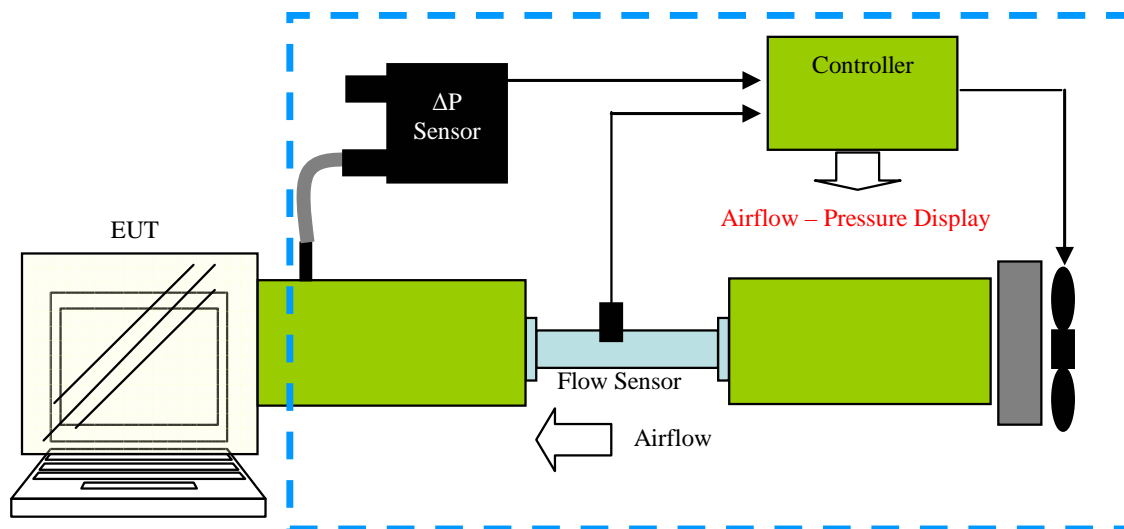
Additionally, both high and low ports of the ± 0.100 inch H₂O pressure transducer are available for performing system impedance tests.

The Micro Flow Tunnel Model MFT-6 is a valuable tool for developing forced air cooling solutions for products as diverse as consumer laptop computers to handheld and portable medical diagnostic equipment.

About the Micro Flow Tunnel

The Micro Flow Tunnel is used to measure the low volume/low pressure inlet or exhaust air flow of the Equipment Under Test (EUT). The system is comprised of: a calibrated airflow sensor, an air pressure sensor, a variable speed fan with control, and a power/control module.

The system's sensor tube is attached to the EUT using a customer supplied adaptor, the operator adjusts the counter blower fan speed and direction of airflow to 'zero' the inlet/exhaust pressure of the EUT using the Pressure Meter and Fan Speed Control knob. Once this is accomplished the impedance of the tunnel has no affect on the EUT and the airflow through the EUT is the same as in open air. The volumetric airflow, in SCFM, is directly displayed on the front panel meter.



MFT-6 General Specifications

Input Power	24vdc 1 amp
Airflow Range	0.60 scfm – 6.00 scfm
Airflow Accuracy	±0.20 scfm absolute
Airflow Repeatability	±0.10 scfm
Differential Pressure Range	-0.100" H ₂ O – 0.100" H ₂ O
Pressure Accuracy	± 1% full scale
Operating Temperature Range	15° C - 60° C
Operating Altitude	-60m – 4,000m
Storage Temperature Range	-40° C - 85° C
Humidity Range	5% - 85% rh non-condensing
Mechanical	24.0"w x 10.0"d x 4.0"h

MFT-6 Order Information



- **Micro Flow Tunnel Instrument** P/N FS56100-EN1