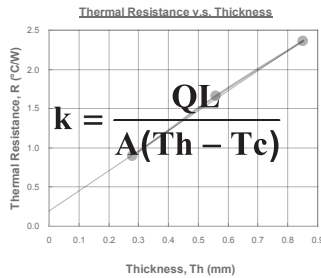


Real Thermal Solutions by Experiments

Thermal Conductivity Measurement

Heat Flux Method:

Based on Fourier's Law of heat conduction & ASTM D 5470-06 Standard

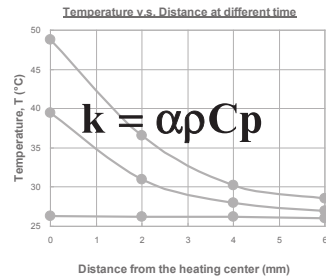


Model: **LW-9389**

For homogeneous materials with low K value
EX: Thermal pad and grease

Heat Pulse Method:

For transient K measurement

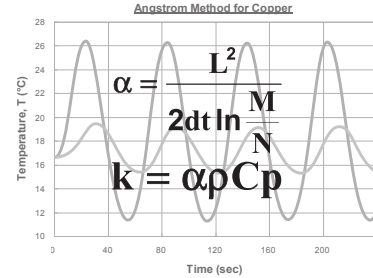


Model: **LW-9286**

For homogeneous materials with high K value
EX: Metal and alloy plates

Angstrom Method:

By scanning harmonic of temperature waves



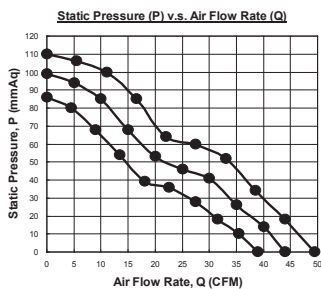
Model: **LW-9514**

For in-plane thermal conductivity measurement
EX: Graphite heat spreaders

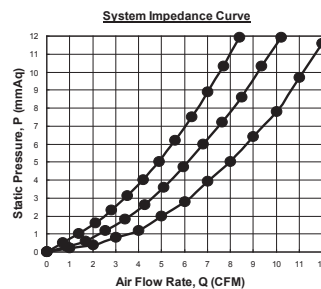
Fan & System Performance Rating

LW-9015 series AMCA 210 Wind Tunnels
Meet AMCA 210-07; Flow rate range: 0.2~30000 CFM

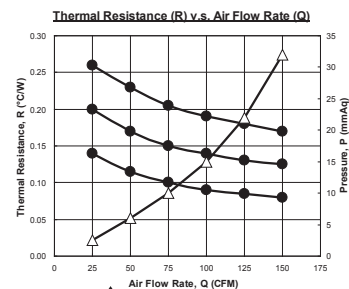
PQ Curve - The fan performance curve with static pressure (P) and air flow rate (Q)



SRC Curve - System resistance measurement for PC, NB, and server



RQ Curve - Thermal resistance (R) and the relationship between P and Q



Simulation of the Authentic Environment

LW-9022 series Natural Convection Chamber

Temperature range: Ambient+3 ~ 90°C
Relative humidity: 40 ~ 95%
Temperature deviation: < ± 2°C
Various of sizes: 50x50x62 cm ~ 200x110x180 cm

Educational Facilities for Engineering

► **Solid mechanics** ► **Fluid mechanics** ► **Thermodynamics**

Understanding scientific principles through easy operations
Suitable for academic laboratory in universities

LED Tj & Rjc Measurement **LW-9383**

Modified JEDEC JESD 51-1 Standard of the diode array
Fast data acquisition rate: 200 kHz
Adjust forward voltage, sensing current, power, ambient temp. etc.

Since 1985, we are devoted to **research, design, manufacture and service** for scientific instruments about thermal management, solid & fluid mechanic and educational fields, especially owns a **leading position on research & measurement products for electronic cooling market.**

More than 100 kinds of self-development apparatus are in our lab with the area of 18000 sq. ft. in Taiwan. Welcome to visit and have a test.

Agencies Wanted

In 2011, Long Win is planning to build our own sales office and service lab in USA.

We sincerely welcome anyone who interests our products and wants to be our sales partner.

LonGwin

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