

# **ATVS-NxT<sup>TM</sup>**

# FULLY PORTABLE AUTOMATIC TEMPERATURE AND VELOCITY SCANNNER

The ATVS-NxT™ hot wire anemometer is a fully-portable scanner that provides rapid and highly precise of temperature and air velocity measurements for thermally characterizing electronic packages.

The ATVS-NxT scanner operates with an embedded PC featuring touch screen control. It includes an 8 GB hard drive and a CD/RW drive. Ethernet connections allow the scanner to be operated over an intranet or the Internet. The ATVS-NxT system features ATS' own StageVIEW-NxT™

software for data acquisition and reporting.

The ATVS-NxT supports up to 32 sensors for simultaneous, single-point air velocity and temperature measurements in environments where single or multipoint measurements are required. The sensors are calibrated for both low (natural convection) and high velocity flow rates.

The unique and patented sensors are designed to be flexible, robust and low profile to minimize flow disturbance. They can be easily placed anywhere in the test domain. The use of a single sensor to measure both temperature and velocity eliminates errors introduced as a result of the flow being nonisothermal.

# OVERALL DIMENSIONS (D X W X H)

38 cm x 48 cm x 19 cm (15" x 19" x 7.5")

# TEMPERATURE RANGE

-30°C to 150°C (-22°F to 302°F)

## FLOW RANGE

0 to 51 m/s (0 to 10,000 FT/MIN)

# NUMBER OF CHANNELS

32

#### **SOFTWARE**

stageVIEW-NxT

#### **POWER**

110V or 220V

#### WEIGHT

7.5 kg (15 lbs.)

For further technical information, please contact Advanced Thermal Solutions, Inc. at **1-781-769-2800** or **www.qats.com** 

## **FEATURES:**

#### » Single Sensor Technology

The only system that can measure both temperature and air velocity with a single sensor

## » Accuracy and Ease of Use

Offers research quality results with the ease of use of handheld meter

## » Up to 32 Sensors

For single point measurement of air velocity & temperature

#### » PCB Testing

Test actual or simulated PCBs for thermal and flow distribution

#### » High & Low Speed Calibration

Sensors are calibrated for both low (natural convection) and high velocity flows from 0 to 51 m/s (10,000 ft/min)

## >> Embedded Touchscreen PC

Fully portable With internal hard drive, CD-RW and Ethernet connections

## » stageVIEW-NxT Software

For autmated data acquisition, reporting and special thermal analysis module for quick evaluation of component temperature

#### » Remote Measurement

Enables remote velocity and temperature measurement through a LAN or via the Internet.