

# eATVS-4 & eATVS-8<sup>TM</sup>

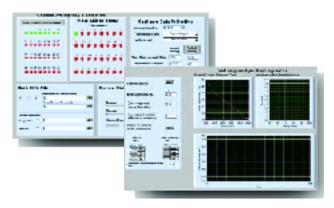
# AUTOMATIC TEMPERATURE AND VELOCITY SCANNNER

The eATVS-4™ and eATVS-8™ Automatic

Temperature and Velocity Scanners are
portable, 4- and 8-channel hot wire anemometer
systems. Fully automated, these research-quality
instruments take accurate singleor multi-point measurements of air
temperature, velocity and surface
temperature in complex enviroments,
such as PCBs and electronics
enclosures. When used as temperature
loggers, they can measure both fluid and solid temperatures.

Useable in rackmount or desktop configurations, eATVS-4<sup>™</sup> and eATVS-8<sup>™</sup> employ patented, fastresponse, omni-directional sensors, which measure both temperature and velocity. This patented single-sensor technology eliminates errors introduced as a result of air flow being non-isothermal. Each precisely calibrated sensor is flexible and robust with a low-profile configuration that allows minimally intrusive mounting throughout the peaks and valleys created by the PCB components. These systems require a PC to

operate and utilize the stageVIEW™ software for data acquisition and reporting.



 $\textbf{stageVIEW}^{\text{TM}} \ \ \textbf{software for automated} \ \ \textbf{data aquisition and reduction}$ 

# OVERALL DIMENSIONS (D X W X H)

www.qats.com

23.5 mm x 13.4 mm x 6.4 cm (9.3" x 5.3" x 2.5")

# TEMPERATURE RANGE

30°C to 150°C ± 1°C

# FLOW RANGE

0 to 51 m/s (0 to 10,000 FT/MIN) (± 2%)

#### NUMBER OF CHANNELS

eATVS-4: Up to 4 eATVS-8: Up to 8

#### SOFTWARE

stageVIEW™

## **POWER**

110V or 220V

## WEIGHT

2 kg (4 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 hand-held meter

## » Up to 8 Sensors

For simultaneous single point measurement of air velocity & temperature

#### » Connection

Requires a PC to operate and is compatible via RS-232 port.

# » 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)

#### » stageVIEW™ Software

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

#### » Sensor Ports

Measure pressure, velocity, and temp through the ports holes

## **APPLICATIONS:**

- Solid\Liquid Temperature Measurement
- » Velocity Measurement
- » Heat Sink Characterization
- » PCB Testing
- **»** Heat Sink Comparison
- Wind Tunnel Testing
- » Thermal Characterization Studies

