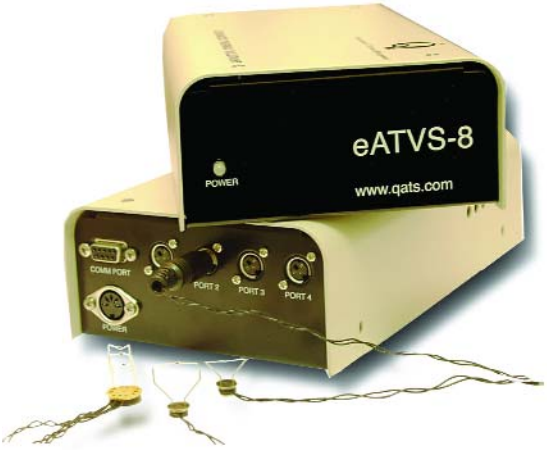
eATVS-4 and -8 ™

Automatic Temperature & Velocity Scanner

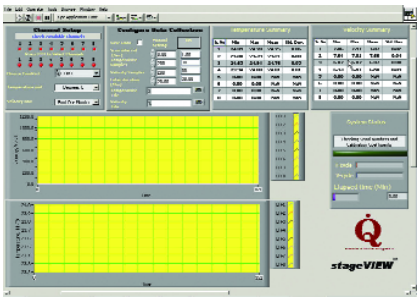
Innovation in Thermal Management™



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 single- or 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™ and eATVS-8™ employ patented, fast-response, 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.

stageVIEW™ *SOFTWARE*



Technical Data

• Max. No of Channels	4 for eATVS-4™ and 8 for eATVS-8™
• Temperature Range	- 30°C to 150°C ±1°C at temperature
• Velocity Range	0 to 50 m/s (10,000 ft/min) ± 2% at velocity
• Sensors	Up to 8; works with all ATS family of Sensors
• Measurement duration	Depends upon the PC Storage Limitation in the Save File Mode, Unlimited without Saving Data
• Depth	9 1/4" (23.5 cm)
• Width	5 1/4" (13.4 cm)
• Height	2.5" (6.4 cm)
• Weight	4 lbs (2 kg)
• PC Software	stageVIEW™ with thermal analysis module
• Computer Interface	RS232 Port

eATVS-4™ & eATVS-8™ Features

- **eATVS-4™ & eATVS-8™** handles up to 8 sensors for simultaneous single point measurement of air temperature & velocity.*
- **eATVS-4™ & eATVS-8™** measures air temperature, velocity and surface temperatures.
- **eATVS-4™ & eATVS-8™** allows for the sensors to be used in any channel.
- **eATVS-4™ & eATVS-8™** is the only system available that can measure both temperature and air velocity with a single sensor.
- **eATVS-4™ & eATVS-8™** sensors are calibrated for both low (natural convection) and high velocity flows.
- The data measured by **eATVS-4™ & eATVS-8™** can be automatically averaged for quick results.
- **eATVS-4™ & eATVS-8™** requires a PC to operate and is compatible via RS-232 port.
- **eATVS-4™ & eATVS-8™** uses the same sensor to measure the full range of flow (0 to 10,000 ft/min).
- **eATVS-4™ & eATVS-8™** offers research quality results with the ease of use of hand-held meters.
- **eATVS-4™ & eATVS-8™** uses **stageVIEW™** for data acquisition and reporting applications.

**Using Microbead element*