



ISD

SENSOR BOARD

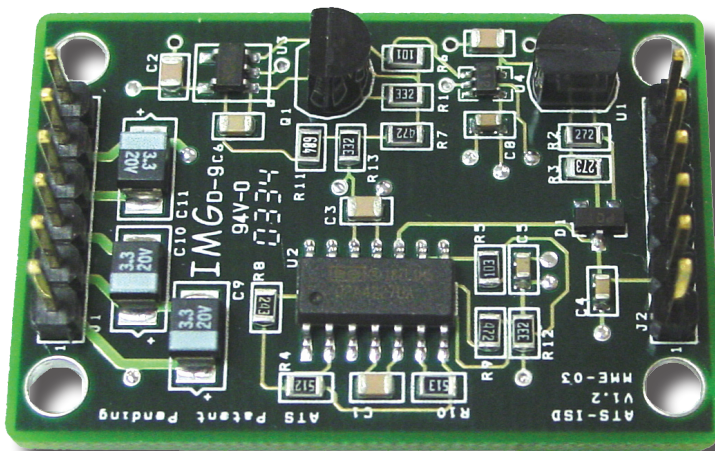
The ISD is a PCB-based scanner for simultaneous, high speed measurements of air velocity and temperature utilizing two independent sensors.

The board directly assesses air flow and temperature in computer feedback control and measurement systems using mobile sensors that can be placed anywhere in the test domain.

The ISD board can be used to control devices such as laboratory wind tunnels and HVAC regulators, or to provide read-out data for display systems.

Two independent sensors are included, and the precise system can be customized for different temperature and velocity ranges. The board is available with LabVIEW™ based software application for converting voltages into digital temperature and velocity values. The ISD requires a triple output DR power supply with +5V, +15V and -15V for operation.

The ISD is compatible with all ATS sensors, including the Candlestick Sensor, Multi Sensor in Plane, Multi Sensor PBL, Micro Sensor, Spot Sensor, Traversing Probe, and Hand-Held Surface Probe.



RECOMMENDED PRODUCTS:



CLWT-115™
Closed Loop Wind Tunnel



Candlestick Sensor



Micro Sensor

TEMPERATURE RANGE
-10°C to 120°C

VELOCITY RANGE
0 to 51 m/s (10,000 ft/min)

TEMPERATURE ACCURACY
+/- 1°C

VELOCITY ACCURACY
+/- 2%

DIMENSIONS (L X W X H)
39.9 x 27.0 x 10 mm
(1.6 x 1.1 x 0.4")

POWER
+5V, +15V and -15V

WEIGHT
6 g (0.2 oz)

FEATURES:

- » **Rapid Measurement**
Ideal for any condition where rapid measurement or control are required.
- » **Highly Accurate**
Precise measurements with a temperature accuracy of +/- 1°C and velocity accuracy of +/- 2%.
- » **Single Calibration**
One sensor measures the entire range of flow, eliminating the need to change sensors.
- » **LabVIEW™ Software**
Available with LabVIEW™ software for converting voltages into digital values.
- » **Free Lifetime Tech Support**

APPLICATIONS:

- » **Telecommunications**
- » **Automotive**
- » **HVAC**
- » **Thermal Management**
- » **Medical**
- » **Aerospace**
- » **Process Control**



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