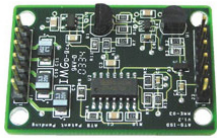




HOT WIRE ANEMOMETER DEVICES

TEMPERATURE, VELOCITY, AND PRESSURE MEASUREMENT

ATS offers a wide selection of Hot Wire Anemometer Devices that measure temperature, velocity, and pressure. All instruments use our patented single-sensor technology, which eliminates errors introduced as a result of the air flow being non-isothermal. The iQ-200™ is the only device in the industry that measures temperature, velocity and pressure with a single-system.



ISD™



eATVS™



ATVS-2020™



ATVS-NxT™



iQ-200™

Technical Comparison

Features	ISD™	eATVS™	ATVS™	ATVS-NxT™	iQ-200™
Measures Surface Temperature	✓	✓	✓	✓	✓
Measures Air Temperature	✓	✓	✓	✓	✓
Measures Velocity	✓	✓	✓	✓	✓
Measures Pressure	x	x	x	x	✓
No. of Channels	1	4 or 8	4 to 32	4 to 32	16
Temperature Range	-20°C to 120°C	-20°C to 120°C	-20°C to 120°C	-20°C to 120°C	-40°C to 750°C
Temperature Accuracy	+/- 1°C	+/- 1°C	+/- 1°C	+/- 1°C	+/- 1°C
Velocity Range	0 to 10,000 fpm (0 to 50 m/sec)	0 to 10,000 fpm (0 to 50 m/sec)	0 to 10,000 fpm (0 to 50 m/sec)	0 to 10,000 fpm (0 to 50 m/sec)	0 to 10,000 fpm (0 to 50 m/sec)
Temperature Range for Velocity	20°C to 85°C	20°C to 85°C	20°C to 85°C	20°C to 85°C	20°C to 85°C
Velocity Accuracy (% of Reading)	+/- 2 %	+/- 2 %	+/- 2 %	+/- 2 %	+/- 2 %
Pressure Range	N/A	N/A	N/A	N/A	0 to 1,035Pa (0 to 0.15 psi)
Pressure Accuracy	N/A	N/A	N/A	N/A	1% of full scale
Software	stageVIEW™	stageVIEW™	stageVIEW™	stageVIEW™	IQstage™
Power	DC power supply	DC power supply	DC power supply	110V or 220V	110V or 220V
Analog	0-5 VDC	x	x	x	x
Interface USB	x	✓	✓	N/A	✓
Weight	6 grams	4 lbs (2kg)	10 lbs (5kg)	15 lbs (7.5kg)	15 lbs (6.8kg)
Depth/Length	1.60" (40.6 mm)	9.2" (23.4 cm)	11.0" (27.9 cm)	15.0" (38 cm)	16.9" (43 cm)
Width	1.06" (26.98 mm)	5.3" (13.4 cm)	13.5" (34.3 cm)	19" (48 cm)	13.4" (34 cm)
Height	0.41" (10 mm)	2.5" (6.5 cm)	5.3" (13.5 cm)	7.5" (19 cm)	5.0" (12.6 cm)
UL Components	✓	✓	✓	✓	✓
Standalone	x	x	x	✓	x
Measurement Duration	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Notes					12 thermocouples 4 pressure sensors