



SENSORS

ATS-Patented Single-Sensor Technology

Advanced Thermal Solutions revolutionized the industry in the late 1990s with the introduction of its patented, single-sensor technology, which measures temperature and velocity with a single sensor and eliminates errors attributable to non-isothermal air flow. It broke a second paradigm when it followed years later with the production of its Candlestick sensor, a 360° reading sensor, offering the least invasive profile in the test domain, thus insuring the highest accuracy. Altogether, ATS presents eight different profiles and over a hundred variations in customization for its very selective and loyal instrumentation customers.



Technical Comparison

Product	Base Diameter	Height/Length	Temperature Range	Velocity Range
Candlestick Sensor	0.4" (9.5 mm)	0.4", 0.5", 0.8" (9 mm, 12 mm, 20 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Multi Sensor In Plane MS 1000-IP-20	0.60" (15.2 mm)	0.5", 0.7", 0.9" (13 mm, 18 mm, 23 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Multi Sensor PBL MS 1000-PBL-20	0.6" (15.2 mm)	0.5", 0.7", 0.9" (13 mm, 18 mm, 23 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Hand Held Probe HHP-A	N/A	24" (609.6 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Hand Held Surface Probe HP 1000-SP	N/A	6" (150 mm)	-10°C to 120°C	N/A
Traversing Probe TP 1000-20	N/A	6" (150 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Micro Sensor MIC 1000-20	N/A	1.5" (38.1 mm)	-10°C to 120°C	0 to 50 m/s (10,000 ft/min)
Spot Sensor SP 1000-20R1	N/A	Custom	-20°C to 120°C	N/A