

# NEW



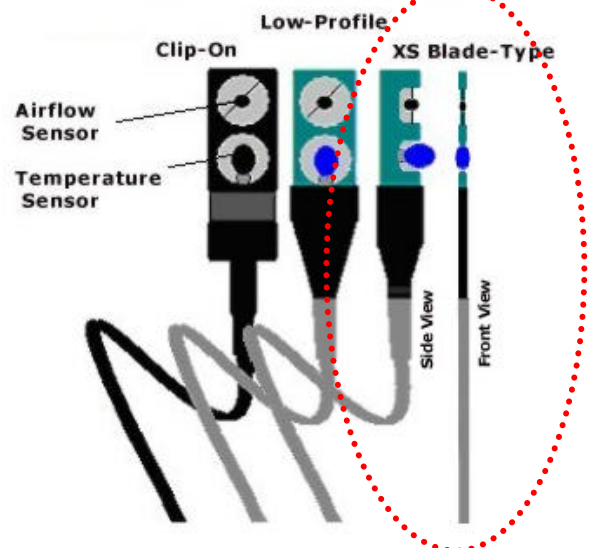
## XS-Type CAFS Series Air Velocity and Air Temperature Sensors

### CAFS XS Air Velocity and Air Temperature Sensor

#### Features

- One of the world's smallest airflow sensors
- Blade type positioned parallel to the airflow presents less obstruction
- Almost omni-directional
- Allows measurement in narrow spots, e.g. between the fins of heat sinks
- Even smaller than the regular CAFS Sensors
- Measures Velocity and Air Temperature
- Temperature compensated from 0-70°C
- Ultra-Sensitive
- Optional handle for handheld operation

#### Available CAFS Sensor Heads



Cambridge AccuSense is introducing the latest addition of CAFS Sensors to the ATM-24:

The XS (extra small) CAFS Series is one step smaller than the Low-Profile CAFS Series, now allowing for airflow measurement where regular sensors would present too much of an obstruction, e.g. between components on a crowded printed circuit board.

When positioning sensors in the flow, it is important that the current is not blocked off or redirected. A smaller sensor minimizes obstructions and gives readings that are more precise.

The CAFS XS sensors are shaped like a blade, to be positioned parallel to the current. The sensors are excellent for board level analysis in electronics cooling, and can even be inserted in the gaps between fins of wider heatsinks.

The XS-type CAFS Sensors combine the proven accuracy and reliability of the ATM-24, in an extra small design to meet the needs of thermal engineers. They come with AccuSense's standard fast response time and high sensitivity.

Because of AccuSense's patented interchangeable sensor technology, the CAFS XS sensors can be used with any ATM and regular CAFS sensors currently in the field.

To learn more about the CAFS XS Sensor Series, or how Cambridge AccuSense can help you with your airflow measurement and airflow detection needs, please call us or visit our web site <http://www.accusense.com>.

#### Specifications

Time Constant	200 ms
Warm-up Time	< 10 s

#### Airflow Measurement

Compensation Range	0-70°C (32-158°F)
Airflow Ranges available from	0.15 - 15 m/s (30-3,000 fpm) (see back details)
Accuracy	Greater of ±10% of reading or ±0.025 m/s (±5 fpm)

#### Temperature Measurement

Range	0-100°C (32-212°F)
Accuracy	±1°C if flow >0.3 m/s (60 fpm) ±4°C if flow <0.3 m/s (60 fpm)

#### Mechanical Dimensions

Sensor head	Width: 4 mm
	Length: 21 mm
	Thickness: 1 mm
Diameter of handle (optional)	2.5 mm
Length of handle (optional)	150 mm

*XS-Type*  
**CAFS**  
*Series*  
 Air Velocity and Air  
 Temperature Sensors

CAFS	XXO	XS	XXX	X
<b>CAFS SERIES</b>	<b>SENSOR RANGE</b>	<b>EXTRA SMALL</b>	<b>CABLE</b>	<b>Handle</b>
	300 = 0.15-0.75 m/s (30-150 fpm)		(shielded)	1 = 50 mm stainless steel rod 2.5 mm
	220 = 0.75-5.0 m/s (150-1000 fpm)		S = 2m (standard)	Leave blank for no handle (similar to stan- dard AFS/CAFS Sensors)
	400 = 5.0-15.0 m/s (1000-3000 fpm)		S5M = 5m	



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