

## IRthermo-Anemometers

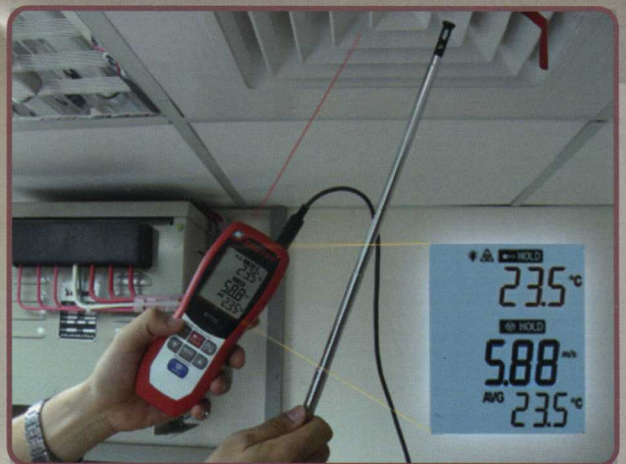
### ST730/ST732/ST733

#### Features:

1. Simultaneous display of air flow in CFM/CMM or air velocity plus ambient temperatures.
2. Combination of hot wire and standard thermistor, deliver rapid and precise measurements event at low air velocity.
3. Infrared thermometer measures remote surface temperatures to 999°F(537°C) with 8:1/30:1 distance to spot ratio and laser pointer.
4. Wide range measurement of air velocity, fast response time.
5. Multi-functions for air flow measurement: m/s, km/h, ft/min, knots, mile/h.
6. Super large LCD with dual function display, read the air velocity and temperatures at the same time.

#### Applications:

- |                                |                     |
|--------------------------------|---------------------|
| 1. Environmental testing       | 6. Flow hoods       |
| 2. Ventilation system          | 7. Air conveyors    |
| 3. Refrigerated case           | 8. Furnace velocity |
| 4. Fans/motors/blowers         |                     |
| 5. Far distance temp. monitor. |                     |



● Air conditioner

● Factory Ventilation Systems



## GENERAL SPECIFICATION

Model	ST730	ST732	ST733
Measurement	Air Velocity:m/s, ft/min, km/h, mile/h, knots: Temperature: °C and °F	Air Velocity:m/s, ft/min, km/h, mile/h, knots: Air Flow:CMM(m <sup>3</sup> /min), CFM(ft <sup>3</sup> /min) Temperature:°C and°F	Air Velocity:m/s,ft/min, km/h, mile/h, knots: Air Flow:CMM(m <sup>3</sup> /min), CFM(ft <sup>3</sup> /min) Temperature: °C and °F
Sensors	Air Velocity /Air Flow Sensor: Hot wire , Temperature: Thermopile		
Sample Time	Approx. 0.5 sec.		
Operating Temp.	0~50°C (32~122°F), 10~90%RH		
Storage Temp.	-10~60°C (14~140°F)		
Record Function	Yes (9 points)		
Data Logging	No	Yes (2000 points)	Yes (2000 points)
Time Interval	No	Yes	Yes
PC Interface	No	USB	USB
AC Power	Yes		
Multiple LCD Display	Yes		
Max/Min/Avg	Yes		
Auto Power Off	Yes		
LCD Backlight	Yes		
Data Hold	Yes		
Dimensions	184(L)X70(W)X40(H)mm (7.24 X2.75 X1.57 inch.) Telescope probe: approx. 1800mm (70.8 inch) include wire rod.		
Weight	Approx. 320g (11.3 oz.)		Approx. 310g (10.9 oz.)
Accessories	9V Battery, Instruction manual, Carrying case, AC Input (ST732&ST733 Include USB cable, PC Interface window-bace softwave )		

## TECHNICAL SPECIFICATION

Air Velocity	Range	Resolution	Accuracy
m/s (meters per second)	0.00~40.00 m/s	0.01 m/s	±(3%+0.03m/s)of reading
ft/min (feet per minute)	0.0~7874.0 ft/min	0.1 ft/min	±(3%+5.9ft/min)of reading
km/h (kilometers per hour)	0.00~144.00 km/h	0.01 km/h	±(3%+0.11km/h)of reading
mile/h (miles per hour)	0.00~89.50 mile/h	0.01 mile/h	±(3%+0.07mile/h)of reading
knot (nautical miles per hour)	0.00~77.75 knot	0.01 knot	±(3%+0.06knot)of reading
Air Flow	Range	Area Range	Area Resolution
CMM (m <sup>3</sup> /min)	0.000~72,000(m <sup>3</sup> /min)	0.001~30.000m <sup>2</sup>	0.001
CFM (ft <sup>3</sup> /min)	0.000~2542,700(ft <sup>3</sup> /min)	0.01~322.92~ft <sup>2</sup>	0.01
Air Temperature	Range	Resolution	Accuracy
	0.0~70.0°C (32.0~158.0°F)	0.1°C (0.1°F)	±0.8°C (1.5°F)

Infrared Thermometer	ST730	ST732	ST733
Range	-32.0~537.5°C (-25.0~999.0°F)		
Accuracy	±3.0°C (±5.4°F) from -32.0~-20.0°C (-25.0~-4.0°F), ±2.0°C (±3.6°F) from -20.0~100.0°C (-4.0~212.0 °F) ±2% from 100.0~537.0°C (212.0~999.0°F)		
Resolution	0.1°C (0.1°F)		
Distance/Spot Ratio	8:1	8:1	30:1
Emissivity	0.95 fixed	0.95 fixed	0.10~1.00 adjust

SALES AGENT

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