

SP Ultra

Ultrasonic air velocity Sensor.

The SP Ultra measures air speed and direction using ultrasonic time of flight to give you accurate readings. The SP Ultra is a Modbus connected device. This light compact sensor has no moving parts and is virtually maintenance free giving it a long service life.



Airflow



Direction



Velocity

SP ULTRA SPECIFICATIONS

Environmental Measurements

Measures

Air speed
Air direction

Accuracy

± 3% (@25°C)

Measurement Range

-40 - 40m/s
(bi-directional)

Outputs

Absolute velocity (m/s, ft/s, ft/min)
Directional velocity (m/s, ft/s, ft/min)
Volumetric airflow (m³/s, CFM, KCFM)

Resolution

0.01 m/s
1°
0.01 m³/s

Physical

Enclosure

IP65

Operating Temperature

-40°C to 60°C

Dimensions

Ø82 x 108mm

Weight

0.62 lbs (0.28 kg)

Power

12-24VDC

Communication

Protocol

Modbus RTU RS485

Baud Rates

9600
19200
115200

Parity

None
Odd
Even



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