Anemoment

KNOW THE WIND

TriSonica™ Mini Wind and Weather Sensor with Flat Base

Compact

Lightweight

Efficient

No Moving Parts

Digital Output
RS-232 (Additional protocols available on Pipe Mount TSM)

Wind Speed
Range: 0-50 m/s
Resolution: 0.01 m/s
Accuracy (0-10 m/s): ±0.1 m/s
Accuracy (11-30 m/s): ±1%
Accuracy (31-50 m/s): ±2%

Humidity Sensor
Range: 0-100% RH
Resolution: 0.1%
Accuracy: ±3%

Magnetometer
Range (x, y, z): ±50 Gauss
Heading Accuracy: ±5.0°

Weight
50 grams (Flat-base)
60 grams (Pipe-mount)

Digital Output Rate
1 Hz 2 Hz 5 Hz, 10 Hz
Adjustable

Wind Direction
Range (x/y): ±360°
Range (z) ±15°
Resolution: 1.0°
Accuracy: ±1.0°

Pressure Sensor
Range: 50-115 kPa
Resolution: 0.1 kPa
Accuracy: ±1.0 kPa

Dew Point Calculation
Derived from Temperature and Humidity Values

Air Density Calculation
Derived from Speed of Sound and Pressure

Size
9.1 cm x 9.1 cm x 9.1 cm
<50 grams *(flat base model)*
~60 grams *(pipe-mount model)*

Power
5-36 VDC @350mW
Optional Low-power Mode

Operating Frequency
60 kHz

Temperature
Range: -40° C to 80° C
Resolution: 0.1° C
Accuracy: ±2.0° C
Derived from Speed of Sound and Humidity

3D Accelerometer
Range (x,y,z): ±2g
Tilt (Pitch,Roll): ±90°

TriSonica™ Mini Wind and Weather Sensor with Pipe-Mount Base

Greater Versatility

The same durability and capability you have come to expect in the TriSonica™ Mini Wind & Weather Sensor, but now with the convenience of a pipe-mount base. The pipe-mount base accommodates a **½" DN 15 Schedule 10 pipe**. Wiring runs on the interior of the pipe, further protecting components and streamlining your installation.

ADDITIONAL FEATURES: A 12-pin circular connector mates with our customized cables to bring out data using your choice of protocol: **RS-232, RS-422, RS-485 (ModBus)**, or **TTL-UART.** A trigger signal allows for synchronizing multiple instruments.

For complete data on all Anemoment products, visit Anemoment.com.