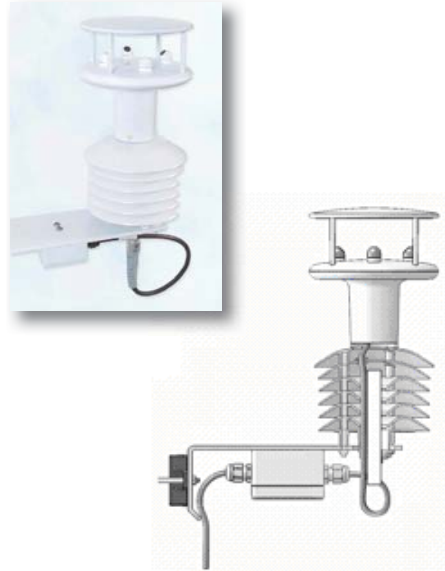


The Compact Combination Sensor is a practical alternative to purchasing multiple sensors for your weather monitoring station. This multi-sensor instrument is compact, lightweight, and measures the most essential weather parameters. It has a built-in ultrasonic wind sensor that measures wind speed and direction, plus industry-standard probes housed in a naturally aspirated radiation shield that measure temperature and relative humidity.

The temperature/RH probe fits inside the solar aspirated shield. It has two analogue voltage outputs: 0-1 V for -40°C to +60°C and for 0 to 100% RH. It includes a changeable element for calibration.

The MT-CB0001 uses negligible power, enabling its use in remote locations where power is at a premium. An electrical junction box fitted to the mounting bracket allows convenient termination of all electrical cables.

A rugged U-bolt mounting clamp attaches the MT-CB0001 to any vertical pipe up to 50 mm diameter.



*Diagram of the temperature/RH probe inside the solar radiation shield.*

## Technical Specifications

### Wind Speed

Range: 0-60 m/s (116 knots)

Accuracy:  $\pm 2\%$

Resolution: 0.01 m/s (0.02 knots)

### Wind Direction

Range: 0 to 359°

Accuracy:  $\pm 3^\circ$

Resolution: 1°

### User Settings

Output: 1, 2, or 4 outputs per second

Parameters: Wind Speed & Dir or U & V vectors

Units of Measure: m/s, knots, mph, kph, ft/min

Power Requirement: 10-28Vdc @ 28mA typical

Size:

280 mm x 380 mm including bracket

Weight:

1.1 kg (including bracket)

## Ordering Options

Ultrasonic wind sensor with RH and Temp sensors included

