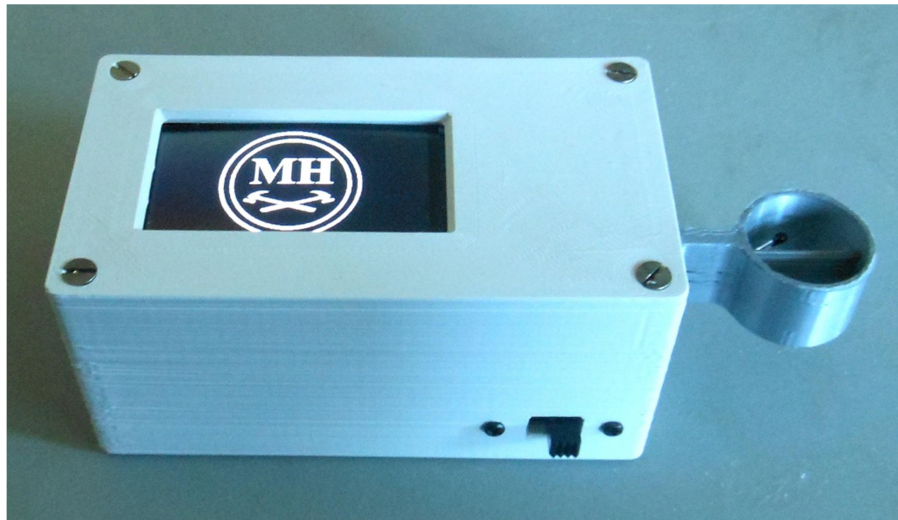# Low-Velocity Anemometer

1st prototype

With a unique 100% digital constant-temperature servo system - based on my long-time experiences with development of high-end CTA systems at Dantec Dynamics A/S. This means that production costs are much lower than with traditional anemometer systems for e.g. HVAC applications.

Velocity output readings are pressure- and temperature-compensated.

Very robust and weather-resistant sensors.

For measurement of all kinds of low air-velocities - e.g. draught, ventilation and wind leakages at windows.

Built-in re-chargeable lithium battery.

Output:

Velocity (0 - 10 m/sec)
Accuracy +/-3% of reading +/-0.05 m/sec. (0 - 5 m/sec.)
- with air flow in axis with sensor protection tube.
Traceable to DANAK no. 200 (DTI - Aarhus)

Time constant 1 sec.

Temperature (0 - 60 deg. C)
Accuracy +/-1 deg. C

Atm. Pressure (700-1100 hPa)
Accuracy +/-1 hPa (950 - 1050 hPa - 0 to +40 deg. C)

Output on built-in 2" display.

The anemometer has a built-in Wi-Fi webserver (AP) and can send measurement data to a standard web browser:

ESP32 Low Velocity Anemometer

Velocity (m/sec.):

0.04

Temperature (C):

24.3

Pressure (hPa):

1011.26

Backlight OFF

Backlight ON

Anemometer OFF

Anemometer ON