Combined Wind Sensor Classic

Combined mechanical sensor is intended for measurement of wind velocity and wind direction of the horizontal air flow.

The wind speed is measured opto-electronically in contact-free and wear-resistant manner. It has an extremely low starting speed. The position of the wind vane is detected opto-electronically by a code disc.

The digital measuring signals are transformed by an internal measuring transformer. The output signals are available as current or voltage signals.

The heating is controlled electronically. A plug connection is situated in the shaft of the instrument. The instrument is mounted preferably onto a mast. All main parts are made of anodised aluminium.

- Combined sensor for easier use
- Low maintenance
- Robust build
- Electronically controlled heating

Wind speed

Measuring range	0.3 to 50 m/s
Accuracy	±0.4 m/s or ±2.5 %
Delay distance	< 5 m

Wind direction

Measuring range	0 – 360 °
Resolution	2.5°
Accuracy	±1.5°
Starting value	< 0.6 m/s at 90°
Damping ration	> 0.3 acc. to ASTMD 5096-96

Data output digital

Wind speed	0 to 1042 Hz
Wind direction	8 bit gray code (parallel)

Operating voltage

Electronic	3.3 to 28 V DC
Heating	24 V AC / DC, 40 W

General specifications

Ambient temperature	-35 to +80 °C
Electr. connection	19 pol. plug connection
Mounting	onto mast tube Ø 1,5"
Protection	IP 55
Dimension	diameter 800 mm x 620 mm
Survival speed	60 m/s
Weight	2.8 kg
Fixing boring	diameter 50 mm x 50 mm