



COMBINED WIND SENSOR

Wind direction and Wind speed



The jack of all trades...

is this combined sensor for reliable wind data optimized by experience. The double blade wind vane's and the cup rotor's axis run individually on precision ball bearings. Smooth running, low-wear and longevity are the outcome. Reliable and trustworthy measuring results are guaranteed.

- ▶ compact and robust
- ▶ corrosion and seawater-resistant
- ▶ low starting values
- ▶ high accuracy and linearity across the whole measuring range
- ▶ easy installation
- ▶ versions without heating available

- container terminals
- industrial applications
- classical meteorology (Swiss standard)
- weather observation networks in extreme climatic zones



Professional Line

(14512) Combined Wind Sensors

Measuring elements:
Measuring range:
Accuracy/ Resolution:
Starting value:

Range of application:
Output:
Supply voltage:

Housing:
Dimensions/ Weight:
Included in delivery:

Versions

00.14512.260 030
00.14512.260 300
00.14512.270 030

Accessories:

32.14511.065 020
32.14511.065 000

Wind direction

double-blade wind vane
0...360°
± 1 % • 0.1°
1 m/s

Wind speed

3-armed cup rotor
0...35 m/s
± 2 % FS • 0.1 m/s
0.2 m/s (I-type) • 1 m/s (G4-type)

temperatures -35...+70 °C heated • wind speed 0...60 m/s
4 mA at 0...35 m/s • $R_a = 3541 \Omega$
12 V_{DC} / max. 0.7 W for one indicator • up to 8 indicator units possible •
heating 24 V_{DC} / 1.25 A/ 30 VA • versions without heating on request
aluminium • RAL 9002 (grey-white) • partially grey coated
cup rotor \varnothing 278 mm • H 500 mm • for mounting pipe \varnothing 50 mm • approx. 2.4 kg
1 plug • 12-pole • when a cable is ordered, the plug is mounted to that

(14512 HG4F1000) Precision ring potentiometer F1000 | DC-generator G4
(14512 HG4N) Precision ring potentiometer | DC-generator G4
(14512 HIF1000) Precision ring potentiometer F1000 | Inductive proximity switch DIN 19234

(14511 U65b) Cable • for F1000-versions • 8-pole • 4 m • ready-made
(14511 U65) Cable • for N-varieties • 8-pole • 4 m • ready-made
Indicator units e. g. (1476 Q144N) • (1477 Q144)
Power supply units see chapter „Periphery“