

COMBINED WIND SENSORS

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
- varieties without heating available

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

Professional Line

Varieties:

Measuring element:

00.14512.260 030

00.14512.260 300

00.14512.270 030

Measuring range:

Accuracy:

Resolution:

Starting value:

Range of application:

Output:

Supply voltage:

Housing:

Dimensions/ Weight:

Included in delivery:

Accessories:

32.14511.065 020

32.14511.065 000

Series (14512) Combined Wind Sensors

Wind direction

double-blade wind vane

(14512 HG4F1000) precision ring potentiometer F1000

(14512 HG4N) precision ring potentiometer

(14512 HIF1000) precision ring potentiometer F1000

0...360°

± 1%

0.1°

1 m/s

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 ● varieties 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 · 2.4 kg

1 plug · 12-pole · when a cable is ordered, the plug is mounted to that

Indicator units e. g. (1476 Q144N) · (1477 Q144) see page 86.

Power supply units see chapter „Periphery“ page 102f.

(14511 U65b) Cable · for F1000-varieties · 8-pole · 4 m · ready-made

(14511 U65) Cable · for N-varieties · 8-pole · 4 m · ready-made

Wind speed

3-armed cup rotor

DC-generator G4

DC-generator G4

inductive proximity switch DIN 19234

0...35 m/s

± 2% FS

0.1 m/s

0.2 m/s (I-type) ● 1 m/s (G4-type)