



COMBINED SMALL WIND SENSOR

Wind direction and wind speed

Double is simply...

optimal for combined measuring.
 Firstly, the aluminium wind vane for direction and secondly, the cup rotor for wind velocity.
 These two typical measuring parts are integrated into the very robust all-metal housing.
 They run independently from each other on precision ball bearings.
 Thus, highly accurate recording is warranted.

- ▶ small, light, compact and robust
- ▶ seawater-resistant
- ▶ includes mounting bracket
- ▶ inexpensive top class combined sensor
- ▶ low power consumption

mobile weather stations •
 industrial and nautical applications • buoys •
 vehicles



Professional Line

(1453 S2) Combined Small Wind Sensors

Measuring elements:
 Measuring range:
 Accuracy/ Resolution:
 Starting value:
 Range of application:
 Output:
 Supply voltage:
 Housing:
 Dimensions/ Weight:
 Included in delivery:

Wind direction	Wind speed
wedge-shaped wind vane	3-armed cup rotor
0...360°	0...35 m/s
± 1 % • 0.1°	± 2 % FS • 0.1 m/s
1 m/s	1 m/s
temperatures -30...+70 °C no icing • wind speed 0...60 m/s	
1 mA at 0...35 m/s • R _a = 2000 Ω	
12 V _{DC} / max. 0.6 W for direction transmission	
aluminium • special surface • seawater-resistant • black • IP 53	
cup rotor Ø 96 mm • H 290 mm • for mounting strap • approx. 0.3 kg	
1 plug • 7-pole • when a cable is ordered, the plug is mounted to that	

Versions:

00.14532.000 030
 00.14532.000 300

(1453 S2F1000) Precision ring potentiometer F1000
 (1453 S2N) Precision ring potentiometer

DC-generator G2
 DC-generator G2

Accessories:

32.14530.060 010
 32.14530.060 060
 32.14530.060 090

(1453 U60a) Cable • 10 m • with 7-pole plug • ready-made
 (1453 U60f) Cable • 15 m • with 7-pole plug • ready-made
 (1453 U60i) Cable • 2 m • with 7-pole plug • ready-made
 Indicator units e. g. (1476 Q144N) • (1477 Q144)