

COMBINED SMALL WIND SENSORS

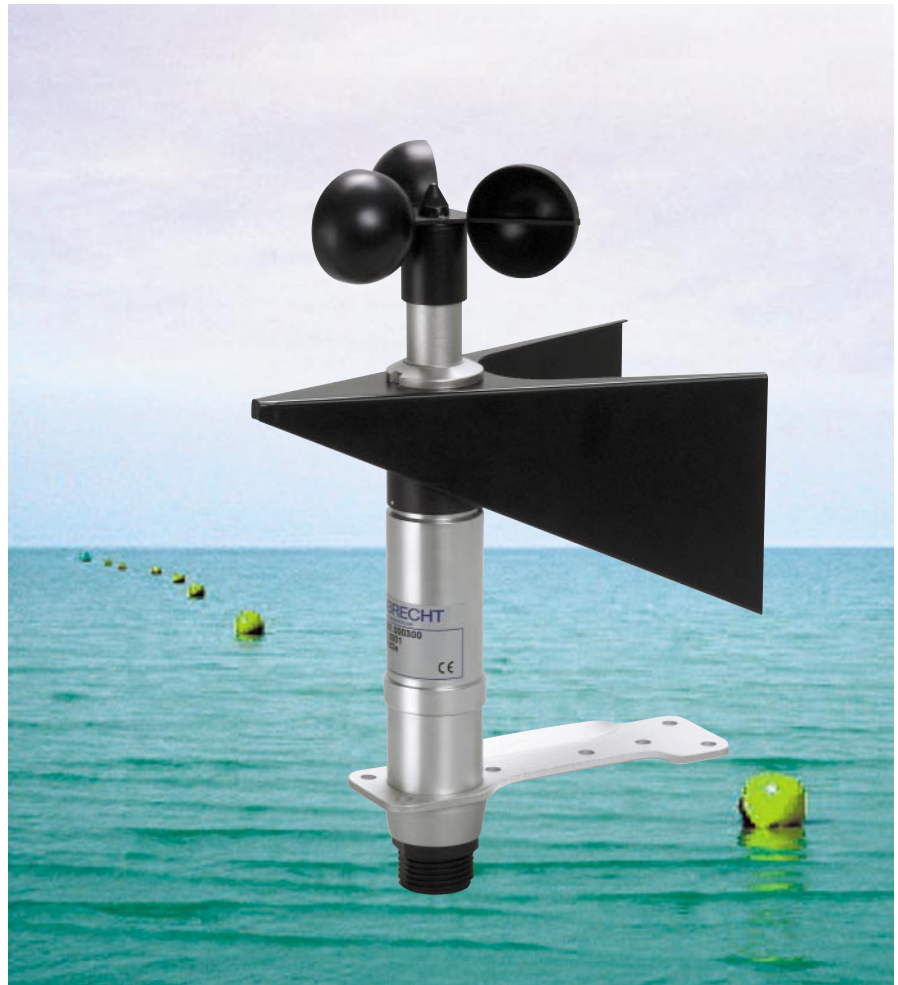
Wind direction and Wind speed



Double is simply...

optimal for combined measuring. Firstly, the wind vane for direction and secondly, the aluminum 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

Varieties:

Measuring element:

00.14532.000 030

00.14532.000 300

Measuring range:

Accuracy:

Resolution:

Starting value:

Range of application:

Output:

Supply voltage:

Housing:

Dimensions/ Weight:

Included in delivery:

Accessories:

32.14530.060 010

32.14530.060 060

32.14530.060 090

Series (1453 S2) Combined Small Wind Sensors

	Wind direction	Wind speed
(1453 S2F1000)	wedge-shaped wind vane precision ring potentiometer F1000	3-armed cup rotor DC-generator G2
(1453 S2N)	precision ring potentiometer	DC-generator G2
	0...360°	0...35 m/s
	± 1%	± 2% FS
	0.1°	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 · anodized · IP 53	
	cup rotor Ø 96 mm · H 290 mm · for mounting strap · 0.3 kg	
	1 plug · 7-pole · when a cable is ordered, the plug is mounted to that	
	Indicator units e. g. (1476 Q144N) · (1477 Q144) see page 86.	
	(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	

