ANEMOMETER
First Class Advanced

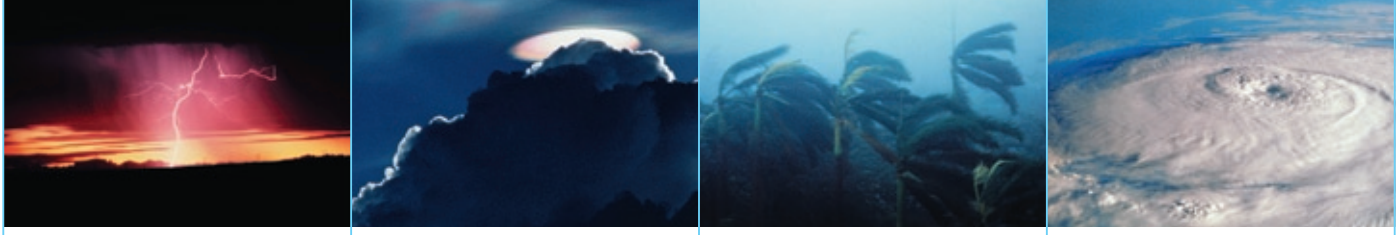
The new generation.
High quality class 0.5 Anemometer

Class A, B and S accredited acc. IEC 61400-12-1
for site assessment and power performance of WTG.

Thies CLIMA

World wide the only class S 0.5 Anemometer accredited according IEC 61400-12-1 (2005-12), ISO 17713-1, Measnet

THE WORLD OF WEATHER DATA



Anemometer
First Class Advanced

Measuring of powercurves and site expert's reports are the prior task for this instrument. This special patented design is the result of long time experiences. Optimised, dynamic performance also at

- **low power instrument**
- **high accuracy**
- **high turbulence-intensity**
- **minimum overspeeding**
- **excellent linearity r ›0,99999**
- **low start up value**

The Anemometer is designed for the acquisition of the horizontal component of the wind velocity in the field of meteorology and environmental measuring technology, evaluation of location, and measurement of capacity characteristics of wind power systems. The Anemometer meets all requirements of IEC 61400-12-1 (2005-12) for an instrument of the accuracy **class 0.5**.

Special characters are a defined and optimised, dynamic behaviour also at high turbulence intensity, minimal over-speeding, and a low starting value.

The measuring value is available at the output as digital signal. It can be transmitted to display instruments, recording instruments, data loggers as well as to process control systems.

For winter operation the instrument (4-3351.00.000) is equipped with an electronically regulated heating, which guarantees a smooth running of the ball bearings, and prevents the shaft and slot from icing-up.

Optically scanned cup anemometer

4.3351.00.000	With heating
.10.	W/o heating
Measuring range	0.3 ... 75 m/s
Accuracy	
0.3 ... 50 m/s	‹ 1% of meas. value or ‹ 0.2 m/s
Linearity	r › 0.999 99 (4 ... 20 m/s)
Classification according to IEC 61400-12-1 (2005-12)	Class A 0.9 Class B 3.0 Class S 0.5
Electr. output	1082 Hz @ 50 m/s
Delay distance	‹ 3 m
Survival speed	80 m/s (@ 30 minutes)
Operating voltage	3.3 ... 42 V DC
Electronics	0.3 mA with 3.3 V ‹ 0,5 mA with 5 V
Heating	24 V AC/DC; 25 W
Ambient temp.	-50 ... +80 °C
Electr. connection	8-pole plug connection
Mounting	mast tube R 1"
Fixing boring	Ø 35 x 25 mm
Dimensions	290 x 240 mm
Protection	IP 55
Weight	0.5 kg
Material	
Housing	alu anodised, seawater resistant
Cup star	carbon-fibre-reinforced plastic
Patented	EP 1398637 EP 1489427

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