

# Anemometer

## First Class Advanced / Advanced II



The Anemometer is designed for the acquisition of the horizontal wind speed in the field of meteorology and environmental measurement, and Wind Resource Assessment for wind power generation.  
In standard terrain the wind transmitter meets all requirements of IEC 61400-12-1 for an accuracy class 0.5 instrument.



Model		
4.3351.x0.xxx	Advanced	Classified according to IEC 61400-12-1 (2005-12)
4.3352.x0.xxx	Advanced II	Classified according to IEC 61400-12-1 Edition 2.0 (2017-03)

Model #	Description	Comment
<b>Heating</b>		
4.335x.00.xxx	With Heating	
4.335x.10.xxx	Without heating	
<b>Common Specification</b>		
	Measuring range	0.3 ...75 m/s
	Accuracy	< 1% of measured value or
	0.3 ...50 m/s	< 0.2 m/s
	Linearity	r > 0.999 95 (4 ...20 m/s)
	Inclined flow	
	- mean deviation from the	<0.1% (@ 12m/s; ±20°)
	cosinus line	
	Delay distance	< 3 m*
	Survival speed	80 m/s
	Ambient temp.	-50 ...+80 °C
	Electrical connection	8-pole plug connection
	Mounting	onto mast tube R 1" Ø
	Fixing boring	35 x 25 mm
	Dimensions	290 x 240 mm
	Protection	IP 55
	Weight	0.5 kg
		acc.to ASTM D 5096-96 (max.30 minutes)
<b>Output Specification</b>		
.x0.000	Digital Output	1090 Hz at 50 m/s
.x0.140	Analog Output	0-20mA
	Digital Output	1090 Hz at 50 m/s
.x0.141	Analog Output	4-20 mA
	Digital Output	1090 Hz at 50 m/s
.x0.161	Analog Output	0-10 V DC
	Digital Output	1090 Hz at 50 m/s
.x0.173	Analog Output	0-5 V DC
	Digital Output	1090 Hz at 50 m/s

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Power Specification		
.x0.000	Operating voltage	
	Electronics	3.3 ... 42 V DC 130 $\mu$ A from 3.3 V to 15 V 180 $\mu$ A > 15 V
	Heating	24 V AC/DC; 25 W
.x0.140	Operating voltage	
.x0.141	Electronics	15-24 V DC
.x0.161	Heating	24 V AC/DC; 25 W
.x0.173	Digital Output	1090 Hz at 50 m/s