

## ***Anemometer "compact"***

Order No. A1050

A1051



### **AbsolutWind Customerservice**

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## Technical Data

Specifications	Description
Measuring range	0.5...50 m/s
Starting value	0.5 m/s
Accuracy	± 0.5 m/s or ± 3 % of reading
Measuring principle	Opto-electronic scanning
Electrical output:	2...630 Hz
Pulse shape	Rectangle
Resolution	11 pulses / revolution
Characteristic	0.5 m/s = 2 Hz 50 m/s = 630 Hz $V [m/s] = 0.07881 \cdot f [Hz] + 0.32$
Amplitude	= $V_{cc}$ , max. 15 V
Signal output load	R > 1 K $\Omega$ (starting with 220 $\Omega$ in series) C < 200nF (equivalent to <1km of the power cord)
Electronics supply ( $V_{cc}$ ) Current consumption	3.3...42 V DC < 1 mA
Heating supply	24 V AC/DC, max. 20 W
Ambient temperature *	- 40°C...+ 70°C
Survival rate	Max. 80 m/s, 30 minutes
Assembly	E.g. on mast tube with holding thread Pg 21 or $\varnothing$ 29 mm bore
Protection class	IP 55
Weight	0.40 to 0.75 kg, depending on model
Material	frame Aluminum (AlMgSi1), anodized cup star Plastic with glass fiber (PC GF10) base Plastic (POM H2320)
Manufacturer Customerservice and Sales	Adolf Thies GmbH & Co. KG AbsolutWind GmbH

\*Anemometer without heating: ambient temperature is only valid if the sensor is free of ice

Subject to change