

Wind Transmitter "First Class" Advanced X

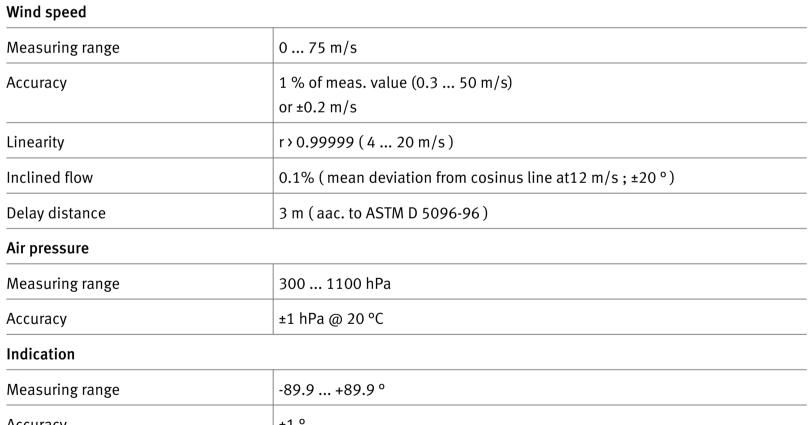
Part number: 4.3352.00.4xx

The wind transmitter is designed for the acquisition of the horizontal component of the wind velocity in the field of meteorology and environ- mental measuring technology, evaluation of location, and measurement of capacity characteristics of wind power systems. In the plain country the wind transmitter meets all requirements of IEC 61400-12-1 Edition 2.0 for an Instrument of the accuracy class 0.65. 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 and via RS485 interface. It can be transmitted to display instruments, recording instruments, data loggers as well as to process control systems. The serial interface supports the THIES- ASCII and the MODBUS RTU- format.

For winter operation the instrument (4.3352.00.400) 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.

Specification

Part number: 4.3352.00.4xx





Accuracy				
Measuring axis	X, Y, Z			
Vibration				
Measuring range	0 50 Hz			
Accuracy	±0.4 Hz			
Measuring axis	X, Y, Z			

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Acceleration			
Measuring range	±8 g		
Accuracy	±30 mg		
Data output digital			
Interface	RS485		
Baudrate	1200 57600 Baud		
Duplex mode	Half duplex		
Protocol	ASCII / MODBUS		
Frequency	1082 Hz @ 50 m/s		
Operating voltage			
Electronic	3.7 42V DC8mA typ.100mA max. (with heating pressure sensor on)approx. 0.9mA in power saving mode		
Heating	24 V AC/DC +-20%, max 25 W		
General			
Ambient temp.	-50 +80 °C		
Electr. connection	8 pol. plug connection		
Mounting	onto mast tube Ø 1``		
Protection	IP 55		
Survival speed	80 m/s (min. 30 minutes)		
Weight	0.5 kg		
Mounting	Ø 35 x 25 mm		
Matirial housing	aluminium, anodised		
Material cup star	carbon-fiber glass reinforced		

Versions

As per 4.3352.00.4xx, but:

Data output digital

THIES - ASCII

Product number 4.3352.00.401

Data output digital

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Protocol
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MODBUS - RTU

Accessories

Product	Product name	Brief description		
	Traverse for Wind Transmitters "First	For mounting the wind speed transmitter and wind direction transmitter jointly onto a mast.		
		General		
	4.3174.00.000	Height	0.76 m	
		Mounting	on mast tube Ø 1,5``	
		Material	aluminium, anodised (AlMgSi0.5)	
		Sensor distance horizontal	0.6 m	
		Sensor distance vertikal	0.2 m	
		Weight	3 kg	
		Mounting	Ø 34 mm for First Class wind sensors	
	Hanger 1m First Class 4.3184.01.000	The hanger is used for the lateral mounting of a wind transmitter, First Class type, onto a mas		ast
		General		
		Length	1 m	
		Mounting	at mast tube Ø 40 80 mm	
		Material	aluminium (AlMgSi0.5)	
		Weight	1.5 kg	
		Mounting	Ø 34 mm	

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