

## **WIND**

### Wind Transmitter "First Class" Advanced X

#### Part number: 4.3352.10.4xx

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.



# **Specification**

#### Part number: 4.3352.10.4xx

(	
0 75 m/s	
< 1 % of meas. value (0.3 50 m/s) or < ±0.2 m/s	
r>0.99999 (4 20 m/s)	
< 0.1% ( mean deviation from cosinus line at12 m/s; ±20°)	
< 3 m (aac. to ASTM D 5096-96)	
300 1100 hPa	
±1 hPa @ 20 °C	
-89.9 +89.9 °	
±1°	
X, Y, Z	
0 50 Hz	
±0.4 Hz	
X, Y, Z	
±8 g	
±30 mg	





information:



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 DC 8mA typ. 100mA max. (with heating pressure sensor on) approx. 0.9mA in power saving mode		
Heating	without heating		
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		
Fixing boring	Ø 35 x 25 mm		
Matirial housing	aluminium, anodised		
Material cup star	carbon-fiber glass reinforced		

# **Versions**

As per 4.3352.10.4xx, but:

Product number 4.3352.10.400

Data output digital		
Protocol	THIES - ASCII	
Product number 4.3352.1	401	
Data output digital		
Protocol	MODBUS - RTU	

## **Accessories**





information:



	Traverse for Wind Transmitters "First Class" 4.3174.00.000	For mounting the wind speed transmitter and wind direction transmitter jointly onto a mast.		
		General		
		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	
		Fixing boring	Ø 34 mm for First Class wind sensors	
da	Hanger 1m First	The hanger is used for the lateral mounting of a wind transmitter, First Class type, onto a mast		
	Class	General		
	4.3184.01.000	Length	1 m	
		Mounting	at mast tube Ø 40 80 mm	
		Material	aluminium (AlMgSi0.5)	
		Weight	1.5 kg	
		Fixing boring	Ø 34 mm	



**SCAN** for more information: