

WIND

Wind Transmitter "First Class" Advanced

Part number: 4.3351.10.xxx

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 analogue signal and as rectangular digital signal.

For winter operation the instrument (4 .3351 .00 .xxx) is equipped with an electronically regulated heating.



Specification

Part number: 4.3351.10.xxx

Wind speed	
Measuring range	0 ... 75 m/s
Accuracy	< 1 % of meas. value (0.3 ... 50 m/s) or < ±0.2 m/s
Linearity	r > 0.99999 (4 ... 20 m/s)
Delay distance	< 3 m (aac. to ASTM D 5096-96)
Data output digital	
Frequency	1082 Hz at 50 m/s
Operating voltage	
Electronic	3.3 ... 48 V DC 130 µA from 3,3 ... 15 V 180 µA > 15 V
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
Material housing	aluminium, anodised
Material cup star	carbon-fiber glass reinforced



Versions

As per 4.3351.10.xxx, but:

Product number 4.3351.10.140

Data output digital

Sink Output	1 ... 250 mA
-------------	--------------

Source Output	1 ... 100 mA
---------------	--------------

Data output analog

Wind speed	0 ... 20 mA (0 ... 75 m/s)
------------	------------------------------

Product number 4.3351.10.141

Data output digital

Sink Output	1 ... 250 mA
-------------	--------------

Source Output	1 ... 100 mA
---------------	--------------

Data output analog

Wind speed	4 ... 20 mA (0 ... 75 m/s)
------------	------------------------------

Product number 4.3351.10.161

Data output digital

Sink Output	1 ... 250 mA
-------------	--------------

Source Output	1 ... 100 mA
---------------	--------------

Data output analog

Wind speed	0 ... 10 V (0 ... 75 m/s)
------------	-----------------------------

Product number 4.3351.10.173

Data output digital

Sink Output	1 ... 250 mA
-------------	--------------

Source Output	1 ... 100 mA
---------------	--------------

Data output analog

Wind speed	0 ... 5 V (0 ... 75 m/s)
------------	----------------------------

Accessories

Product	Product name	Brief description
---------	--------------	-------------------





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



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 mast

General	
Length	1 m
Mounting	at mast tube Ø 40 ... 80 mm
Material	aluminium (AlMgSi0.5)
Weight	1.5 kg
Fixing boring	Ø 34 mm

