

## WIND

### Wind Transmitter "First Class" Advanced

**Part number: 4.3351.00.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: 4.3351.00.xxx**

<b>Wind speed</b>	
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 )
<b>Data output digital</b>	
Frequency	1082 Hz at 50 m/s
<b>Operating voltage</b>	
Electronic	15 ... 24 V DC
Heating	24 V AC/DC, max 25 W
<b>General</b>	
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 4.3351.00.xxx, but:

### Product number 4.3351.00.140

#### Data output digital

Sink Output	1 ... 250 mA
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Source Output	1 ... 100 mA
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#### Data output analog

Wind speed	0 ... 20 mA (0 ... 75 m/s)
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### Product number 4.3351.00.141

#### Data output digital

Sink Output	1 ... 250 mA
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Source Output	1 ... 100 mA
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#### Data output analog

Wind speed	4 ... 20 mA (0 ... 75 m/s)
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### Product number 4.3351.00.161

#### Data output digital

Sink Output	1 ... 250 mA
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Source Output	1 ... 100 mA
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#### Data output analog

Wind speed	0 ... 10 V (0 ... 75 m/s)
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### Product number 4.3351.00.173

#### Data output digital

Sink Output	1 ... 250 mA
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Source Output	1 ... 100 mA
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#### Data output analog

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

Product	Product name	Brief description
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	<p><b>Traverse for Wind Transmitters "First Class"</b> 4.3174.00.000</p>	<p>For mounting the wind speed transmitter and wind direction transmitter jointly onto a mast.</p> <table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Height</td> <td>0.76 m</td> </tr> <tr> <td>Mounting</td> <td>on mast tube Ø 1,5"</td> </tr> <tr> <td>Material</td> <td>aluminium, anodised (AlMgSi0.5)</td> </tr> <tr> <td>Sensor distance horizontal</td> <td>0.6 m</td> </tr> <tr> <td>Sensor distance vertikal</td> <td>0.2 m</td> </tr> <tr> <td>Weight</td> <td>3 kg</td> </tr> <tr> <td>Fixing boring</td> <td>Ø 34 mm for First Class wind sensors</td> </tr> </tbody> </table>	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
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	<p><b>Hanger 1m First Class</b> 4.3184.01.000</p>	<p>The hanger is used for the lateral mounting of a wind transmitter, First Class type, onto a mast</p> <table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Length</td> <td>1 m</td> </tr> <tr> <td>Mounting</td> <td>at mast tube Ø 40 ... 80 mm</td> </tr> <tr> <td>Material</td> <td>aluminium (AlMgSi0.5)</td> </tr> <tr> <td>Weight</td> <td>1.5 kg</td> </tr> <tr> <td>Fixing boring</td> <td>Ø 34 mm</td> </tr> </tbody> </table>	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				
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