

WIND MEASURING TECHNOLOGY

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

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
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Operating voltage

Electronic	15 ... 24 V DC
Heating	24 V AC/DC, max 25 W

General

Ambient temp.	-50 ... +80 °C
Electr. connection	8 pol. plug connection
Mounting	onto mast tube $\varnothing 1''$
Protection	IP 55
Survival speed	80 m/s (min. 30 minutes)

Weight	0.5 kg
Mounting	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
Source Output	1 ... 100 mA

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
Source Output	1 ... 100 mA

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
Source Output	1 ... 100 mA

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
Source Output	1 ... 100 mA

Data output analog

Wind speed	0 ... 5 V (0 ... 75 m/s)
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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. <hr/> General <hr/> <table border="1"> <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>Mounting</td> <td>Ø 34 mm for First Class wind sensors</td> </tr> </table>	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
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	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 <hr/> General <hr/> <table border="1"> <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>Mounting</td> <td>Ø 34 mm</td> </tr> </table>	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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