

## Wind Direction Transmitter Compact

**Part number: 4.3129.00.xxx**

Measuring transmitter for the measurement of the horizontal wind direction with serial output signal. The wind vane consists of fibre-glass reinforced, the housing is made of anodised aluminium and plastic.

The instrument has a threaded pin PG 21 with 2 nuts for mounting.



## Specification

**Part number: 4.3129.00.xxx**

### Wind direction

Measuring range	0 ... 360 °
Resolution	11.25 °
Accuracy	±5 °

### Operating voltage

Electronic	8 ... 30 V DC or 24 V AC
Heating	24 V AC/DC, max 20 W

### General

Ambient temp.	-40 ... +70 °C
Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
Protection	IP 55

## Versions

As per 4.3129.00.xxx, but:

**Product number 4.3129.00.140**

### Data output analog

Stromausgang	max. 500
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Wind direction	0 ... 20 mA
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**Operating voltage**

Electronic	> 15 V DC or 24 V AC
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**General**

Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
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Dimension	Ø 330 x 220 mm
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Weight	1.1 kg
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**Product number 4.3129.00.141**

**Data output analog**

Stromausgang	max. 500
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Wind direction	4 ... 20 mA
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**Operating voltage**

Electronic	> 15 V DC or 24 V AC
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**General**

Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
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Dimension	Ø 330 x 220 mm
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Weight	1.1 kg
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**Product number 4.3129.00.161**

**Data output analog**

Wind direction	0 ... 10 V
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Voltage output	min. 1000
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**Operating voltage**

Electronic	> 15 V DC or 24 V AC
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**General**

Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
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Dimension	Ø 330 x 220 mm
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Weight	1.1 kg
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**Product number 4.3129.00.167**

**Data output analog**

Wind direction	0 ... 2 V
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Voltage output	min. 1000
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#### General

Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
Dimension	Ø 330 x 220 mm
Weight	1.1 kg

#### Product number 4.3129.00.173

#### Data output analog

Wind direction	0 ... 5 V
Voltage output	min. 1000

#### General

Electr. connection	12 m cable LiYCY 6 x 0.25 mm <sup>2</sup>
Dimension	Ø 330 x 220 mm
Weight	1.1 kg

#### Product number 4.3129.00.740

#### Data output analog

Stromausgang	max. 500
Wind direction	0 ... 20 mA

#### Operating voltage

Electronic	> 15 V DC or 24 V AC
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#### General

Electr. connection	7 pol. plug
Dimension	Ø 330 x 270 mm
Weight	0.4 kg

#### Product number 4.3129.00.741

#### Data output analog

Stromausgang	max. 500
Wind direction	4 ... 20 mA

#### Operating voltage

Electronic	> 15 V DC or 24 V AC
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#### General

Electr. connection	7 pol. plug
Dimension	Ø 330 x 270 mm
Weight	0.4 kg

**Product number 4.3129.00.761**

**Data output analog**

Wind direction	0 ... 10 V
Voltage output	min. 1000

**Operating voltage**

Electronic	> 15 V DC or 24 V AC
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**General**

Electr. connection	7 pol. plug
Dimension	Ø 330 x 270 mm
Weight	0.4 kg

**Product number 4.3129.00.767**

**Data output analog**

Wind direction	0 ... 2 V
Voltage output	min. 1000

**General**

Electr. connection	7 pol. plug
Dimension	Ø 330 x 270 mm
Weight	0.4 kg

**Product number 4.3129.00.773**

**Data output analog**




Wind direction	0 ... 5 V
Voltage output	min. 1000

**General**

Electr. connection	7 pol. plug
Dimension	Ø 330 x 270 mm
Weight	0.4 kg

## Accessories

Product	Product name	Brief description
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	Traverse compact for wall mounting 4.3171.2x.000	For storefront mounting of a measuring value transmitter.		
		<b>General</b>		
		<table border="1"> <tr> <td data-bbox="709 575 1066 605">Material</td> <td data-bbox="1071 575 1213 605">Aluminium</td> </tr> </table>	Material	Aluminium
Material	Aluminium			
	Traverse for Wind Transmitters Compact 4.3171.3x.000	For mounting the wind transmitter and wind direction transmitter jointly onto a mast.		
		<b>Material</b>		
		<table border="1"> <tr> <td data-bbox="709 902 1066 931">Traverse</td> <td data-bbox="1071 902 1367 931">aluminium (AlMgSi0.5)</td> </tr> </table>	Traverse	aluminium (AlMgSi0.5)
Traverse	aluminium (AlMgSi0.5)			
		<table border="1"> <tr> <td data-bbox="709 964 1066 994">Gripping clamb</td> <td data-bbox="1071 964 1262 994">stainless steel</td> </tr> </table>	Gripping clamb	stainless steel
Gripping clamb	stainless steel			
		<b>General</b>		
		<table border="1"> <tr> <td data-bbox="709 1092 1066 1121">Sensor distance horizontal</td> <td data-bbox="1071 1092 1150 1121">0.8 m</td> </tr> </table>	Sensor distance horizontal	0.8 m
Sensor distance horizontal	0.8 m			
		<table border="1"> <tr> <td data-bbox="709 1154 1066 1184">Weight</td> <td data-bbox="1071 1154 1171 1184">0.35 kg</td> </tr> </table>	Weight	0.35 kg
Weight	0.35 kg			
		<table border="1"> <tr> <td data-bbox="709 1216 1066 1246">Mounting</td> <td data-bbox="1071 1216 1255 1246">hole Ø 29 mm</td> </tr> </table>	Mounting	hole Ø 29 mm
Mounting	hole Ø 29 mm			
	Traverse short for Wind Transmitters Compact 4.3171.4x.000	For mounting one wind transmitter or wind direction transmitter at a mast.		
		<b>Material</b>		
		<table border="1"> <tr> <td data-bbox="709 1555 1066 1584">Traverse</td> <td data-bbox="1071 1555 1367 1584">aluminium (AlMgSi0.5)</td> </tr> </table>	Traverse	aluminium (AlMgSi0.5)
Traverse	aluminium (AlMgSi0.5)			
		<table border="1"> <tr> <td data-bbox="709 1617 1066 1647">Gripping clamb</td> <td data-bbox="1071 1617 1262 1647">stainless steel</td> </tr> </table>	Gripping clamb	stainless steel
Gripping clamb	stainless steel			
		<b>General</b>		
		<table border="1"> <tr> <td data-bbox="709 1745 1066 1774">Sensor distance horizontal</td> <td data-bbox="1071 1745 1150 1774">0.4 m</td> </tr> </table>	Sensor distance horizontal	0.4 m
Sensor distance horizontal	0.4 m			
		<table border="1"> <tr> <td data-bbox="709 1807 1066 1837">Weight</td> <td data-bbox="1071 1807 1157 1837">0.3 kg</td> </tr> </table>	Weight	0.3 kg
Weight	0.3 kg			
		<table border="1"> <tr> <td data-bbox="709 1869 1066 1899">Mounting</td> <td data-bbox="1071 1869 1255 1899">hole Ø 29 mm</td> </tr> </table>	Mounting	hole Ø 29 mm
Mounting	hole Ø 29 mm			



Geovane  
4.3190.00.900

The product set combines the precise wind vanes from Thies CLIMA with the advanced Geovane from Kintech Engineering. The Geovane uses GPS and the sun position to automatically determine the exact north direction 1° accurate. This combination ensures the highest accuracy of wind direction against the geographic north point as a reference.

- Geovane for automatic north correction
- 1° precise wind vanes from Thies CLIMA
- Wind vane and geovane are preconfigured
- Ideal e.g. for site surveys, power curve monitoring and meteorology

**Wind direction**

Measuring range	0 ... 380 °
Resolution	0.06° RS-485 0.11° Analog voltage outputs 0.06... 0.16° Frequency output
Accuracy	1°

**Miscellaneous**

Electrical input	0 ... 30 V
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**Operating voltage**

Electronic	6 ... 12 V DC
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**General**

Ambient temp.	-25 ... +85 °C
Mounting	Onto mast tube Ø34mm
Protection	IP 67
Measuring time	1, 5, 10, 30, 60 seconds
Weight	0,815 kg



Holder compact  
506347

The holder serves for the mounting of a wind transmitter, Compact-type, onto an instrument carrier or mast.

**General**

Mounting	for mast tubes Ø 35 ... 50 mm
Material	stainless steel (V2A)
Dimension	80 x 150 mm
Weight	0.35 kg
Mounting	hole Ø 32.5 mm