

WIND MEASURING TECHNOLOGY

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 °
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Resolution	11.25 °
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Accuracy	±5 °
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Operating voltage

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

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

As per 4.3129.00.xxx, but:

Product number 4.3129.00.140

Data output analog

Stromausgang	max. 500
Wind direction	0 ... 20 mA
Operating voltage	
Electronic	> 15 V DC or 24 V AC
General	
Electr. connection	12 m cable LiYCY 6 x 0.25 mm ²
Dimension	Ø 330 x 220 mm
Weight	1.1 kg

Product number 4.3129.00.141

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	12 m cable LiYCY 6 x 0.25 mm ²
Dimension	Ø 330 x 220 mm
Weight	1.1 kg

Product number 4.3129.00.161

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	12 m cable LiYCY 6 x 0.25 mm ²
Dimension	Ø 330 x 220 mm
Weight	1.1 kg

Product number 4.3129.00.167

Data output analog

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

General

Electr. connection	12 m cable LiYCY 6 x 0.25 mm ²
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 ²
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										
	Traverse compact for wall mounting 4.3171.2x.000	For storefront mounting of a measuring value transmitter. General <table border="1" data-bbox="709 617 1780 676"> <tr> <td>Material</td> <td>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. Material <table border="1" data-bbox="709 952 1780 1071"> <tr> <td>Traverse</td> <td>aluminium (AlMgSi0.5)</td> </tr> <tr> <td>Gripping clamb</td> <td>stainless steel</td> </tr> </table> General <table border="1" data-bbox="709 1139 1780 1323"> <tr> <td>Sensor distance horizontal</td> <td>0.8 m</td> </tr> <tr> <td>Weight</td> <td>0.35 kg</td> </tr> <tr> <td>Mounting</td> <td>hole Ø 29 mm</td> </tr> </table>	Traverse	aluminium (AlMgSi0.5)	Gripping clamb	stainless steel	Sensor distance horizontal	0.8 m	Weight	0.35 kg	Mounting	hole Ø 29 mm
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Gripping clamb	stainless steel											
Sensor distance horizontal	0.8 m											
Weight	0.35 kg											
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. Material <table border="1" data-bbox="709 1605 1780 1724"> <tr> <td>Traverse</td> <td>aluminium (AlMgSi0.5)</td> </tr> <tr> <td>Gripping clamb</td> <td>stainless steel</td> </tr> </table> General <table border="1" data-bbox="709 1792 1780 1976"> <tr> <td>Sensor distance horizontal</td> <td>0.4 m</td> </tr> <tr> <td>Weight</td> <td>0.3 kg</td> </tr> <tr> <td>Mounting</td> <td>hole Ø 29 mm</td> </tr> </table>	Traverse	aluminium (AlMgSi0.5)	Gripping clamb	stainless steel	Sensor distance horizontal	0.4 m	Weight	0.3 kg	Mounting	hole Ø 29 mm
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Gripping clamb	stainless steel											
Sensor distance horizontal	0.4 m											
Weight	0.3 kg											
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