

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 ² |
| Protection | IP 55 |

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 |
|------------|----------------------|

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 |
|------------|----------------------|

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 |
|------------|----------------------|

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 |
|------------|----------------------|

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 |
|------------|----------------------|

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 |
|---------|--------------|-------------------|
|---------|--------------|-------------------|

| | | | | |
|---|---|--|----------------------------|-----------------------|
|  | <p>Traverse compact for wall mounting 4.3171.2x.000</p> | <p>For storefront mounting of a measuring value transmitter.</p> | | |
| | | <p>General</p> | | |
| | | <table border="1"> <tr> <td>Material</td> <td>Aluminium</td> </tr> </table> | Material | Aluminium |
| Material | Aluminium | | | |
|  | <p>Traverse for Wind Transmitters Compact 4.3171.3x.000</p> | <p>For mounting the wind transmitter and wind direction transmitter jointly onto a mast.</p> | | |
| | | <p>Material</p> | | |
| | | <table border="1"> <tr> <td>Traverse</td> <td>aluminium (AlMgSi0.5)</td> </tr> </table> | Traverse | aluminium (AlMgSi0.5) |
| Traverse | aluminium (AlMgSi0.5) | | | |
| | | <table border="1"> <tr> <td>Gripping clamb</td> <td>stainless steel</td> </tr> </table> | Gripping clamb | stainless steel |
| Gripping clamb | stainless steel | | | |
| | | <p>General</p> | | |
| | | <table border="1"> <tr> <td>Sensor distance horizontal</td> <td>0.8 m</td> </tr> </table> | Sensor distance horizontal | 0.8 m |
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| | | <table border="1"> <tr> <td>Weight</td> <td>0.35 kg</td> </tr> </table> | Weight | 0.35 kg |
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| | | <table border="1"> <tr> <td>Mounting</td> <td>hole Ø 29 mm</td> </tr> </table> | Mounting | hole Ø 29 mm |
| Mounting | hole Ø 29 mm | | | |
|  | <p>Traverse short for Wind Transmitters Compact 4.3171.4x.000</p> | <p>For mounting one wind transmitter or wind direction transmitter at a mast.</p> | | |
| | | <p>Material</p> | | |
| | | <table border="1"> <tr> <td>Traverse</td> <td>aluminium (AlMgSi0.5)</td> </tr> </table> | Traverse | aluminium (AlMgSi0.5) |
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| | | <p>General</p> | | |
| | | <table border="1"> <tr> <td>Sensor distance horizontal</td> <td>0.4 m</td> </tr> </table> | Sensor distance horizontal | 0.4 m |
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| 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 |
|------------------|------------|

Operating voltage

| | |
|------------|---------------|
| Electronic | 6 ... 12 V DC |
|------------|---------------|

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 |