

Wind Compact



Model Brief Description

Wind Velocity Transmitters

Wind Transmitter Compact

- Frequency output

Measuring transmitter for the wind velocity with frequency output (open collector). The cup-star consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

Order No.

4.3518.00.000
4.3520.00.000
4.3520.10.000

Technical Data

With heating	open collector sink
With heating	open collector source
W/o heating	open collector source
Measuring range	0.5-50 m/s
Accuracy	±3% of meas. value or ±0.5 m/s
Resolution	< 0.1 m/s
Electr. output	2-573 Hz
Operating voltage	10-28 V DC
Current supply	20 mA
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-40 ... +70 °C
Connection	5 m cable. LiYCY 5 x 0.25 mm ²
Dimensions	Ø 135 x 165 mm
Protection	IP 55
Weight	0.4 kg



Wind Transmitter Compact

- Low Power Instrument with frequency output

Measuring transmitter for the measurement of the horizontal wind velocity with frequency output (active signal). Suitable for data loggers. The cup-star consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

4.3519.00.000

Measuring range	0.5-50 m/s
Accuracy	±3% of meas. value or ±0.5 m/s
Resolution	< 0.1 m/s
Electr. output	2-630 Hz
Operating voltage	3.3-42 V DC
Current consumpt.	< 1 mA
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-40 ... +70 °C
Connection	12 m cable. LiYCY 5 x 0.25 mm ²
Dimensions	Ø 135 x 165 mm
Protection	IP 55
Weight	0.75 kg



Wind Transmitter Compact

- Analogue output

Measuring transmitter for the measurement of the horizontal wind speed with analogue output signals. The cup-star consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

4.3519.00.xxx

.140

.141

.161

.167

.173

Electr. output	Load (at with operat. volt.)
0-20 mA	max. 500 Ω ; (> 13 V DC)
4-20 mA	max. 500 Ω ; (> 13 V DC)
0-10 V	min. 1 k Ω
0-2 V	min. 1 k Ω
0-5 V	min. 1 k Ω
Measuring range	0.5-50 m/s
Accuracy	±3% of meas. value or ±0.5 m/s
Resolution	< 0.1 m/s
Operating voltage	9-30 V DC or 24 V AC
for 0-10 V output.	13-30 V DC or 24 V AC
Current consumption	50 mA
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-40 ... +70 °C
Connection	12 m cable, LiYCY 6 x 0.25 mm ²
Dimensions	Ø 135 x 165 mm
Protection	IP 55
Weight	0.75 kg

Wind Compact

Model Brief Description

Wind Transmitter Compact

- Model with plug connection

Model like 4.3518.00.000 and 4.3519.00.000/1xx however with implemented plug instead of connected cable.

Wind Direction Transmitters

Wind Direction Transmitters Compact

- Digital Parallel Output

Measuring transmitter for the measurement of the horizontal wind direction with digital output signal (Gray-code).

The wind vane consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

Wind Direction Transmitters Compact

- Digital Serial Output

Measuring transmitter for the measurement of the horizontal wind direction with digital output signal (Gray-code).

The wind vane consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

Order No.

4.3518.00.700
4.3519.00.700
4.3519.00.740
4.3519.00.741
4.3519.00.761

4.3128.xx.000
.00....
.10....

4.3129.00.000

Technical Data

Connection	7-pole plug
Dimensions	
Height (with plug)	225 mm
Cup star	Ø 135 mm
Housing	Ø 50 mm
Weight	0.4 kg

With heating	
Without heating	

Measuring range	0-360°
Accuracy	±5°
Resolution	90°; 45°; 22.5°
Output	2; 3; 4-bit Gray-Code
Electr. output	Open collector (source)
Operating voltage	10-28 V DC
Heating	max. 20 W; 24 V AC/DC
Ambient temperat.	-30 ... +70 °C
Connection	5 m cable LiYCY 6 x 0.25 mm ²

Dimensions	
Height	220 mm
Wind vane	215 mm
Housing	Ø 50 mm
Protection	IP 55
Weight	0.6 kg

Measuring range	0-360°
Accuracy	±5°
Resolution	11.25°
Electr. output	5-bit serial-synchronous
Operating voltage	5-30 V DC
Current consumption	
standby	< 15 µA (5V)
active	< 200 µA (5V)
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-50 ... +70 °C
Connection	12 m cable, LiYCY 6 x 0.25 mm ²

Dimensions	
Height	220 mm
Wind vane	215 mm
Housing	Ø 50 mm
Protection	IP 55
Weight	1.1 kg



Wind Compact



Model Brief Description

Wind Direction Transmitter Compact

- Digital Serial Output
- GMR-Sensor for high resolution

Measuring transmitter for the measurement of the horizontal wind direction with digital output signal (Gray-code).

The wind vane consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.



Wind Direction Transmitter Compact

- Analogue Output

Measuring transmitter for the measurement of the horizontal wind direction with analogue output signals.

The wind vane consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.



Wind Direction Transmitter Compact

- Model with plug connection

Model like 4.3129.00.000/ 1xx however with implemented plug instead of connected cable.

Order No.

4.3129.60.000

Technical Data

Measuring range	0-360°
Accuracy	±5°
Resolution	2.5°
Electr. output	8-bit serial-synchronous
Operating voltage	3.3-30 V DC or 24 V AC
Current consumption	< 1 mA (5V)
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-30 ... +70 °C
Connection	12 m cable, LiYCY 6 x 0.25 mm ²
Dimensions	
Height	220 mm
Wind vane	215 mm
Housing	Ø 50 mm
Protection	IP 55
Weight	1.1 kg

4.3129.00.xxx

Electr. output	Load operating voltage
.140	@ 500 Ω; (> 15 V DC)
.141	@ 500 Ω; (> 15 V DC)
.161	@ 1 k Ω; (> 15 V DC)
.167	@ 1 k Ω
.173	@ 1 k Ω

Measuring range	0-360°
Resolution	11.25°
Accuracy	±5°
Operating voltage	8-30 V DC or 24 V AC
for 0-10 V-output	15-30 V DC or 24 V AC
Heating	max. 20 W; 24 V AC/DC
Ambient temp.	-40 ... +70 °C
Connecton	12 m cable, LiYCY 6 x 0.25 mm ²
Dimensions	
Height	210 mm
Wind vane	215 mm
Housing	Ø 50 mm
Protection	IP 55
Weight	1.1 kg

4.3129.00.700

Connection	7-pole plug
Dimensions	
Height (with plug)	270 mm
Wind vane	215 mm
Housing	Ø 50 mm
Weight	0.4 kg

.740
.741
.761

Wind Compact

Model Brief Description

Wind Direction Transmitter Compact

- Analogue Output
- GMR-Sensor for high resolution

Measuring transmitter for the measurement of the horizontal wind direction with analogue output signals.

The wind vane consists of plastic, the housing is made of anodised aluminium and plastic. The instrument has a threaded pin PG 21 with 2 nuts for mounting.

Wind Direction Transmitter Compact

- Model with plug connection

Model like 4.3129.00.000/1xx however with implemented plug instead of connected cable.

Order No.

4.3129.60.xxx

.140
.141
.161
.167
.173

4.3129.60.xxx

.740
.741
.761
.767
.773

Technical Data

Electr. output	Load operating voltage
0-20 mA	@ 500 Ω ; (\geq 12 V DC)
4-20 mA	@ 500 Ω ; (\geq 12 V DC)
0-10 V	@ 1 k Ω ; (\geq 12 V DC)
0-2 V	@ 1 k Ω
0-5 V	@ 1 k Ω
Measuring range	0-360°
Resolution	0.4°
Accuracy	$\pm 2^\circ$
Operating voltage for 0-10 V-output	8-30 V DC or 24 V AC
Heating	15-30 V DC or 24 V AC
Ambient temp.	max. 20 W;
Connecton	24 V AC/DC
	-30 ... +70 °C
	12 m cable, LiYCY
	6 x 0.25 mm ²
Dimensions	
Height	210 mm
Wind vane	215 mm
Housing	Ø 50 mm
Protection	IP 55
Weight	1.1 kg
Connection	7-pole plug
Dimensions	
Height (with plug)	270 mm
Wind vane	215 mm
Housing	Ø 50 mm
Weight	0.4 kg

