



Thies Clima Compact Wind Sensors are designed for

- Building services engineering
- Industry
- Wind power plants
- Environmental technology
- Warning systems etc.

Wind Speed Transmitters

Measuring transmitters for the measurement of the horizontal wind velocity.

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

Sensors with frequency output (Open collector sink)

Order No	Technical data	
4.3518.00.000	Cable	5 m captive cable, LiyCY 5x 0,25 mm ²
4.3518.00.700	Electrical connection	7 - pole plug
	Measuring range	0 - 50 m/s
	Resolution	< 0,1 m/s
	Accuracy	±3% of meas. value or ± 0,5 m/s
	Output signal	2 - 573 Hz
	Power	10...28 VDC / 20 mA
	Heater	24 VAC/DC / 20 W
	Mounting	on aperture Ø 21 mm or mounting arm
	Dimensions	Ø 135 x 165 mm
	Weight	0,75 kg

Sensors with frequency output (active signal)

Order No	Technical data	
4.3519.00.000	Cable	5 m captive cable, LiyCY 5x 0,25 mm ²
4.3519.00.700	Electrical connection	7 - pole plug
	Measuring range	0 - 50 m/s
	Resolution	< 0,1 m/s
	Accuracy	±3% of meas. value or ± 0,5 m/s
	Output signal	2 - 630 Hz
	Power	3,3...42 VDC / 1 mA
	Heater	24 VAC/DC / 20 W
	Mounting	on aperture Ø 21 mm or mounting arm
	Dimensions	Ø 135 x 165 mm
	Weight	0,75 kg

Sensors with analog output

Order No	Technical data	
4.3519.00.161	Output signal	0 - 10 V
	Cable	12 m captive cable, LiyCY 5x 0,25 mm ²
4.3519.00.761	Output signal	0 - 10 V
	Electrical connection	7 - pole plug
4.3519.00.141	Output signal	4 - 20 mA
	Cable	12 m captive cable, LiyCY 5x 0,25 mm ²
4.3519.00.741	Output signal	4 - 20 mA
	Electrical connection	7 - pole plug
	Measuring range	0 - 50 m/s
	Resolution	< 0,1 m/s
	Accuracy	±3% of meas. value or ± 0,5 m/s
	Power	13...30 VDC or 24 VAC / 30 mA
	Heater	24 VAC/DC / 20 W
	Mounting	on aperture Ø 21 mm or mounting arm
	Dimensions	Ø 135 x 165 mm
	Weight	0,75 kg

Wind Direction Transmitters

Measuring transmitters for the measurement of the horizontal wind direction .
The wind vane consists of reinforced fiber-glass, the housing is made of anodized aluminum and plastic.
The instrument has a threaded pin PG 21 with 2 nuts for mounting

Sensor with potentiometer output

Order No	Technical data	
4.3129.00.712	Measuring range	0 - 360 degrees
	Resolution	0,5 degrees
	Accuracy	± 2 degrees
	Output signal	0 - 2 KOhm
	Electrical connection	7 - pole plug
	Power	0...24 VDC / max. load 1 mA
	Heater	24 VAC/DC / 20 W
	Mounting	on aperture Ø 21 mm or mounting arm
	Dimensions	Ø 330 x 270 mm
	Weight	0,75 kg
		

Sensors with analog output

Order No	Technical data	
4.3129.60.161	Output signal	0 - 10 V
	Cable	12 m captive cable, LiyCY 6x 0,25 mm ²
4.3129.60.761	Output signal	0 - 10 V
	Electrical connection	7 - pole plug
4. 3129.60.141	Output signal	4 - 20 mA
	Cable	12 m captive cable, LiyCY 5x 0,25 mm ²
4. 3129.60.741	Output signal	4 - 20 mA
	Electrical connection	7 - pole plug
	Measuring range	0 - 360 degrees
	Resolution	0,4 degrees
	Accuracy	± 2 degrees
	Power	12...30 VDC or 24 VAC / 30 mA
	Heater	24 VAC/DC / 20 W
	Mounting	on aperture Ø 21 mm or mounting arm
	Dimensions	Ø 330 x 270 mm
	Weight	1,1 kg

Accessories

A variety of accessories are available for installation and expansion of the functionality. Cables and holders for the sensors can be found here below, but also parts as lightning rods, mast systems and specific high level interface equipment are available on request.

Order No	Description
4.3171.30.000	Mounting arm for 2 Compact Wind Sensors Material : arm: aluminum / mounting flange: stainless steel Extension : 2x 40 cm Mounting : on tube Ø 48...102 mm Weight : 0,35 kg
4.3171.40.000	Mounting arm for 1 Compact Wind Sensor Material : arm: aluminum / mounting flange: stainless steel Extension : 40 cm Mounting : on tube Ø 48...102 mm Weight : 0,3 kg

Order No	Description
506 347	 Holder for 1 Compact Wind Sensor Used to mount a wind transmitter to a mast or to a wall. Material : stainless steel (V2A) Mounting : on tube Ø 35...50 mm Dimensions : 80 x 150 mm Weight : 0,35 kg
4.3171.25.000	 Traverse for 1 Compact Wind Sensor Used to mount or adapt a wind transmitter to a mast or to a wall Material : aluminum Mounting : wall or pole Extension : 200 mm (longer versions : on demand) Weight : 0,3 kg
506 351	 Lightning rod for Compact Mounting arm To be screwed on Mounting arm for Compact Wind Sensors Dimensions : L: 56 cm / Ø:10 mm Material : stainless steel Weight : 0,34 kg
LiyCY	 Shielded connection cable For versions with 7 - pole plug or to lengthen captive cables 6x 0,25 mm² or 6x 0,34 mm² (on choice)