

Wind

Hand Instruments, Mech. Anemometer, Wind Measuring Systems



Description

Wind Direction Measuring Instrument
Simple portable instrument, consisting of a mechanical wind vane, and a telescopic tripod stand. There is a built-in compass to align the instrument to "North". Supplied in a carrying case

Order-No.

4.3019.21.000

Technical Data

Measuring range	0 ... 360°
Division	10° and N-NW-W ...N
Alignment	by compass
Stand, telescopic	28 to 115 cm
Dim. of case	395 x 285 x 120 mm
Weight	1 kg



METEO comp
Complete measuring instrument, ready for connection, consisting of the following components:

Comb. Wind Transmitter
Small combined measuring transmitter for acquisition of the wind speed and wind direction as well as of the ambient temperature.

4.3329.00.000

Measuring value	wind direction wind speed temperature wind-chill min.- and max.-values of the past 24 h.
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Operating voltage	from display unit
Ambient temp.	-30 ... + 60 °C
Cable	20 m long, with plug on pin ø 30 mm
Mounting	200 x 450 mm
Dimensions	200 x 450 mm
Weight	1 kg



Display Instrument
Digital LED-indicator inclusive power supply unit, with plug for the display of the above-mentioned measuring values. The changing-over to the single values is carried out via keypad. Plug-connection of wind sensor, power supply unit and serial data output. Housing is suited for wall mounting.

9.3229.00.000

Display ws	m/s ; km/h ; Bft
Resolution	0.1 m/s ; 1 km/h ; 1 Bft
Display wd	0 ... 360°
Resolution	22.5°
Display temp.	-30 ... + 60 °C -22 ... + 140 °F
Resolution	0.1 K ; 0.1 °F
Electr. output	RS 232/V.24, serial
Operating voltage	9 V DC / max. 500 mA
Ambient temp.	-30 ... + 60 °C, ice-free
Dimensions	
Display	95 x 155 x 35 mm
Power supply unit	65 x 100 x 55 mm
Weight	0.23 kg; 0.51 kg

Software Meteo-Online

9.1700.98.000

See page 28



Wind Indicators, Recorder, Software



Description

Recorder

Continuous Line Recorder

Designed for the continuous recording and the direct reading of wind measuring values.

Instrument as switch-panel-installation housing. Identification of individual channels by different colour pens.

Recorder Roll

Recording chart in roll format for the above line recorder.

Felt Pen

Spare pens for identification of the different channels for above line recorder.

Order-No.

9.3392.10.040
9.3393.10.040
9.3395.10.040

205434

205433
205432
205431

Technical Data

Number of channels	1 2 3
Electr. input	0 ... 20 mA / 0 ... 10 V
Accuracy	class 0.5
Print colour	blue, red, green
Recording width	100 mm
Paper advance	20, 60, 120, 240 mm/h
Model	switch-panel-mounting
Operating voltage	230 V / 50 Hz
Ambient temp.	0 ... +50°C
Type of protection	IP 54 or IP 20
Dimensions	144 x 144 x 295 mm
Weight	6.2 kg

Roll length	32 m
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Colour	blue (1. channel) red (2. channel) green (3. channel)
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Software

Meteo-Online

The software Meteo-Online is a WINDOWS Program, compatible to WINDOWS 98 / NT / 2000 / ME/XP.

It serves for the visualisation and documentation of meteorological measuring values. The visualisation is carried out alternatively in graphical form as diagram and/or with text. The user has the possibility to place the display-elements free on the screen.

The documentation can be recorded in hour's- or day's files with selectable averaging periods for the respective parameters. The documentation files are ASCII-files, and can be imported, for example, directly into EXCEL. All THIES-instruments with serial data output can be connected via the serial interface of a PC. According to the number of serial interfaces it is possible to administrate several instruments at the same time. The Client Server Concept offers the possibility of documenting data in the background without active visualisation

9.1700.98.000

9.1700.98.100

Connectable	Thies instruments
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Wind Interface	4.4070.01.706
Wind Display	4.3250.xx.000
Datalogger	9.1740.xx.x1x

US-Anemometer	4.3800.xx.xxx 4.3810.xx.xxx
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Meteo comp	4.3329.00.000 with 9.3229.00.000
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Illustration	numerals diagram wind rose time date
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Wind direction	instantaneous value variation mean value, gliding
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Wind speed	instantan, value 1 s mean value, gliding min. and max. value
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Time intervals	1, 2, 10, 30, 60 min. for mean values
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Description and data same as above, however with data monitor for checking the incoming measuring values additionally on threshold values or alarm parameters.	
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