

# SIGMA-130

Windstation indicator set



## SIGMA-130

The SIGMA-130 is a wind speed and direction indicator. The wind direction is presented by an analog indicator. The read out of the wind speed is digital and can be set in m/sec or Beaufort, a LED indicates the current selection. The sensor of the SIGMA-130 operates without moving parts, which makes it a reliable and durable product. The SIGMA-130 can display relative and absolute wind information without the use of an external GPS- system.

### SIGMA:

The SIGMA line is a complete modular range of reliable equipment for inland shipping and inland fishery. Unique is the combination of digital technology and an analog readout.

### Sensors:

The SIGMA-130 wind indicator operates with the P-130 smart solid state wind sensor. This sensor detects wind speed and direction ultrasonically without the use of moving parts, which makes it very durable.

### Dimming:

The SIGMA-130 display unit is fitted with a dimming system. This unit can be dimmed synchronized with the rest of the Radio Zeeland DMP displays.

### Colored lighting:

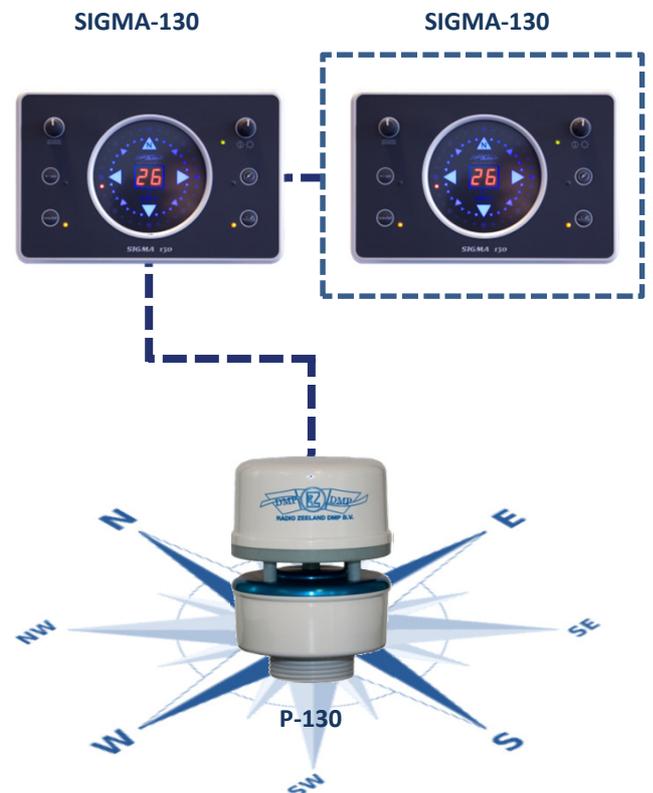
The scale of the SIGMA-130 display unit is illuminated with LED- backlighting. The color of the lighting can be set to three different colors, Red, Yellow or Blue, creating a night view adjustable to personal preferences.

### Wind speed:

A digital display provides a quick overview of the current wind speed. Wind speed can be set to Beaufort or meters per second depending on personal desires. The SIGMA-130 can display relative and absolute wind information without the use of an external GPS- system.

### Wind direction:

With the SIGMA-130 system the absolute or relative wind direction can be displayed with the touch of one button without the use of GPS. The wind direction is displayed by LED-lights around the dial, creating an organized view of your wind data.



RADIO ZEELAND DMP  
www.radiozeeland.com

# Technical specifications

## Display unit housing specifications

Housing	Clear anodized aluminum
Size	236 x 154 x 80 mm
Weight	Net weight 1,3kg
Protection	IP-50
Temperature	0 to + 55°C,
Humidity	0 to 90% non-condensing

## Electrical specifications

Main power supply	18 – 36VDC fused @900mA self recovering
Backup power supply	18 – 36VDC fused @900mA self recovering
Amperage	< 1A (without repeaters)

## Optical specifications

Wind speed	0 - 63m/s (also displayable in Beaufort)
Wind direction	0 - 360°
Dimming range	5 - 100%
Illumination color	Red / Blue / Yellow

## Inputs

NMEA in IEC 61162 (HDM or HDT or HDG and VTG)

## Outputs

External dimmer 15VDC PWM with a maximum of 150mA

Repeater 0-1mA

NMEA out IEC 61162 (WIMWV)

## P-130 Sensor specifications

- Supply voltage: 10-14V DC.
- Current consumption: less than 500mA.
- The S-130 wind sensor sends the following signals:
- Relative wind direction
- Relative wind speed
- True wind direction
- True wind speed
- Outside temperature
- Air pressure
- Groundspeed

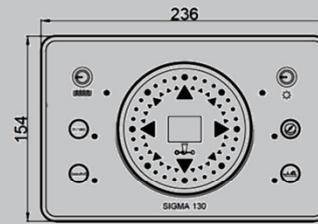
## Declaration of conformity

EN 60945 (IEC 945 Third edition: 1996-11) Chapters 9,10,11 and 12

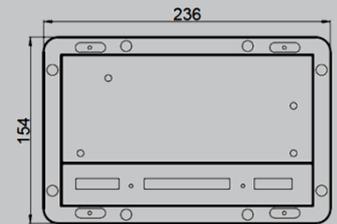
## Scope of supply

- The SIGMA-130 Manual
- Display unit SIGMA-130
- P-130 Smart solid state wind sensor
- P-130 Manual
- Assembly set

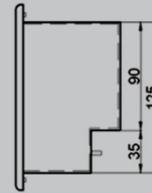
## Dimensions in mm:



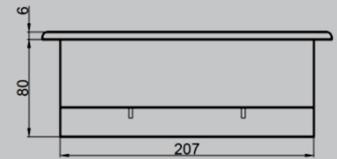
FRONT



BACK

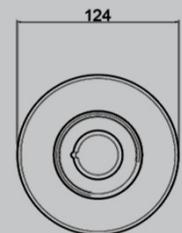
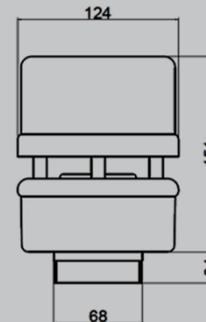


SIDE



BOTTOM

## P-130 Sensor



Dealer:



Product is subject to change without notice.