

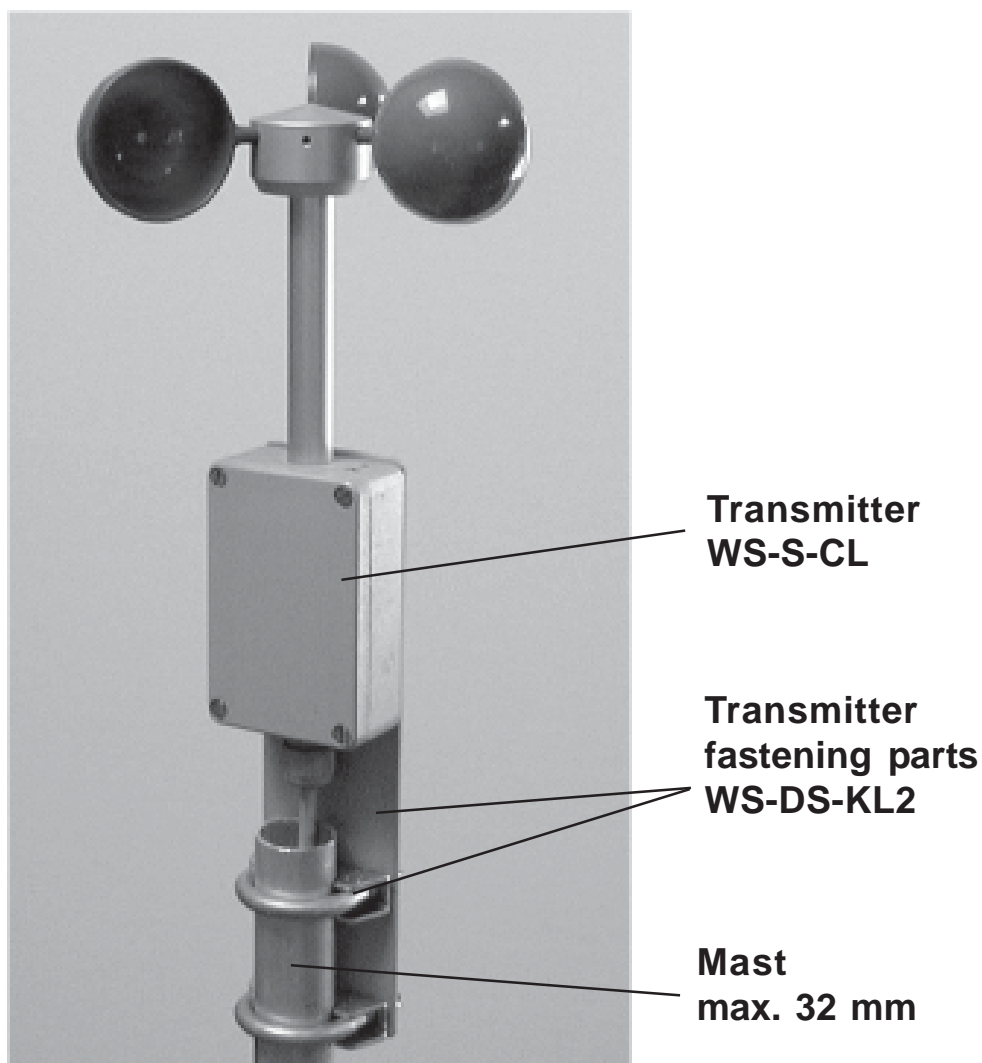
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# Wind transmitter WS-S-CL

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**for:**

- meteorologic station, ships, tug boats,
- tanks, towers, power stations, buildings
- oil rafts, seaports, airports, cranes etc.

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# Wind transmitter WS-S-CL

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## Description

WS-S-CL is an integrated wind transmitter (anemometer) which is equipped with current loop outputs. It can be directly connected to meters, measurement computers, weather stations, data loggers or plotters which have standard current loop terminals (0/4 to 20 mA). The sensors are closely fitted to the transmitter unit and it can be mounted as such on the top of the instrumentation mast. Transmitter unit is equipped non isolated current loop transmitter. Isolated loop is optional module. Transmitter is protected against lightning with varistors.

## TECHNICAL DATA :

<b>Anemometer Type:</b>	: linear anemometer, WS-S-CL,
<b>Materials</b>	: Polycarbonate/aluminium
<b>Cups</b>	: polycarbonate
<b>Ball bearing</b>	: stainless St ball bearing,
<b>Measurement range, max.</b>	: 0...60 m/s,
<b>Accuracy</b>	: (range 0.8...60 m/s)
wind speed up to 10 m/s	: ± 0.5 m/s
wind speed over 10 m/s	: error < 3%
<b>Starting treshold</b>	: 0.7 m/s
<b>Operating temp.</b>	: -40...+60 °C (-40...+131 °F)
<b>Storage temperature</b>	: -60...+65 °C (-76...+149 °F)
<b>Operating voltage</b>	: 20...28 VDC, 5 W,
<b>Case material</b>	: aluminium case IP66,
<b>Case dimension</b>	: 65*100*35 mm3
<b>Cable clamping</b>	: PG9
<b>Dimensions</b>	: ø170 * 365 mm
<b>Weight</b>	: 800 gr.
<b>Transmitter cable e.g.</b>	: 2 *2 ' 0,25 mm2,
<b>Normal instrumentation cable,</b>	: 2 pair (1+1 power, 1+1 Current Loop)

### OPTIONS:

<b>Current isolation</b>	: -E420, 4-20mA / 4-20mA
<b>Cabling</b>	: Instrumentation cable 2*2*0,25mm2+1

The factory calibration is 0 to 40 m/s = 0/4 to 20 mA current.

(RE: 0 or 4 mA can be select with jumper settings).

Other wind speed calibration are available: 30 m/s, 60 m/s, 160 kmph, please specify.

### GUARANTEE:

Suunnittelutoimisto REHN Ky issues a guarantee for the material and workmanship of this product for twelve (12) months from the date of delivery.

Damage due to exceptional operation conditions, careless handling or misapplication will void the guarantee.

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# Wind transmitter WS-S-CL

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## How to order

### WS-S-CL

WS can be equipped with several options and the measurement scales:

Transmitter WS-S-CL (anemometer)

Wind Speed Transmitter, 6 pulse / rev. with heating (24 VDC, max. 5 W)

Scales

**-40** 0 to 40 m/s, (factory settings),

Scale options:

**-30** 0 to 40 m/s

**-60** 0 to 60 m/s

**-160** 160 kmph

Current outputs: (calibrated for specified scales, non isolated)

**-420** Current loop output for meter or logic, standard 4 to 20 mA, (factory settings)

**-020** Current loop output for meter or logic, standard 0 to 20 mA,

(RE: 0 or 4 mA can be select with jumper settings).

Power supply:

**-24** 24 VDC (20...28 VDC)

For example: **WS-S-CL-40-420-24**

**Anemometer WS-S-CL (Weater Station-wind Speed-Current Loop output)**

**- 40** calibrated for 40 m/s,

**- 420** Current loop output for meter or logic, standard 4 to 20 mA, non isolate

**- 24** Power Supply (only).

OPTIONS:

**-E420** Current Loop isolator for isolated singal 4 to 20 mA



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