All sailing data straight to the cloud Plug and Play

The SAILMON Coach Pole

SAILMON

Highly accurate sensor

The SAILMON Coach Pole is a highly accurate GPS heading sensor, equipped with a sonic wind sensor to monitor and log calibrated wind speed and direction directly to the SAILMON E4 Silver.

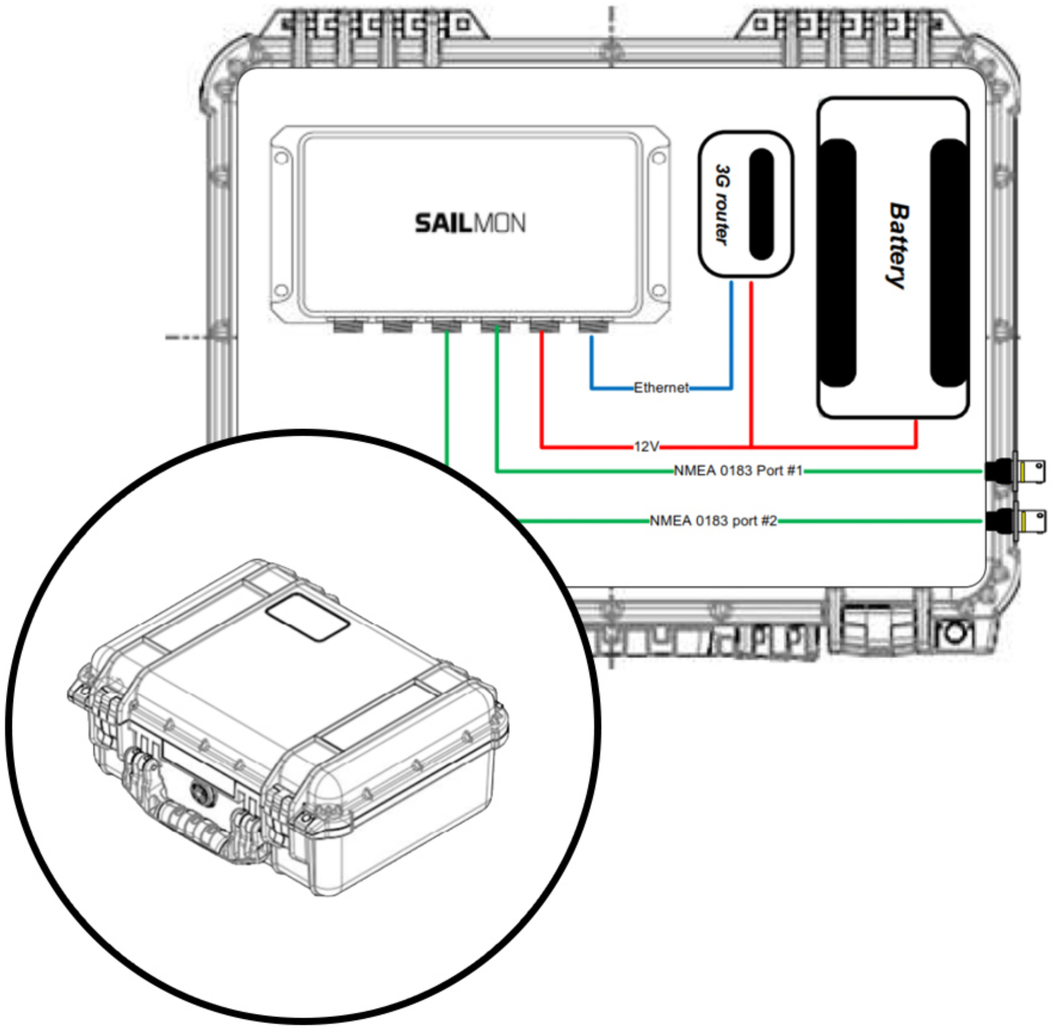
You can connect your E4 to SAILMON Logs to share, replay and analyse the data directly from your SAILMON LOGS account.

The SAILMON Coach Pole comes as standard with sensors fitted to a 1 meter post ready for fitting. Using a Gill windsonic wind speed and direction unit as well as a True Heading Vector carbon GPS compass, with an update rate of up to 20Hz.

Waterproof connection

The SAILMON Coach Pole connects directly to a waterproof and impact resistant case containing a built in SAILMON E4 Silver Processor, battery pack capable of running the system for up to 72 hours and a Wifi enabled 3G modem to connect wifi devices for direct control / calibration and data display.
3G connectivity enable the E4 to send your logged data directly to your LOGS account online.

In the event that no direct connection can be established the E4 will automatically buffer data, which will then be uploaded once a connection is established, this is possible either though the modem or connecting the E4 directly to the internet.



Self contained designed

The E4 silver enclosure is designed to be a self contained unit containing its own regulated power supply, the enclosure can be disconnected from the sensor pole and removed at the end of each session if desired.

A 3G sim card will be required to connect the E4 silver directly to your SAILMON LOGS account for live data updates. Connect your SAILMON App to your LOGS account to receive live wind data direct from your coach pole system.

Using the SAILMON Coach Pole unit in combination with SAILMON Logs will give your sailing team the edge with instant online data available for on the spot debriefs. Add videos, photos, comment and much more allowing you to build up the most complete picture of you sailing data and experience.

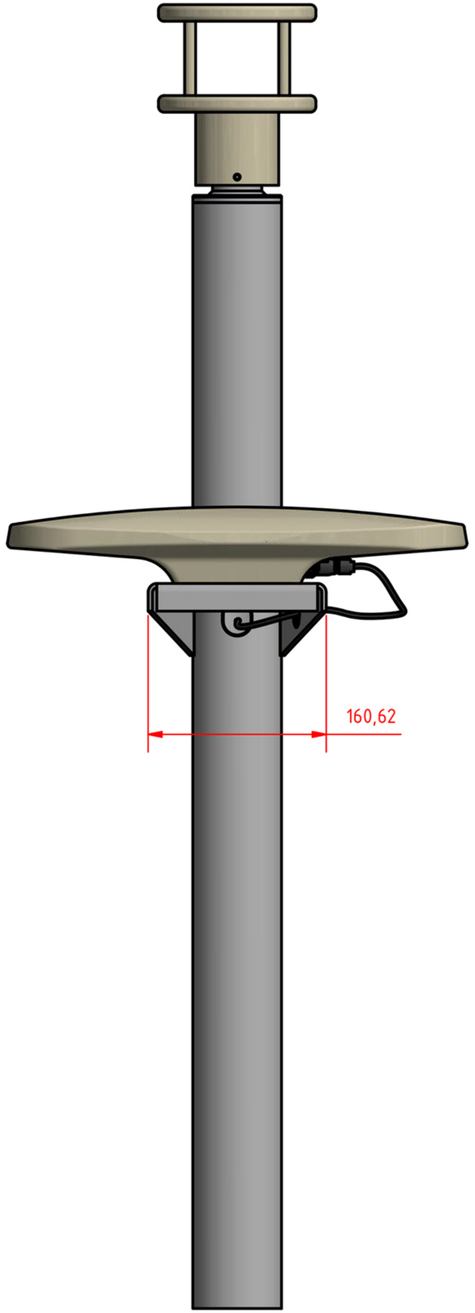
Technical specifications

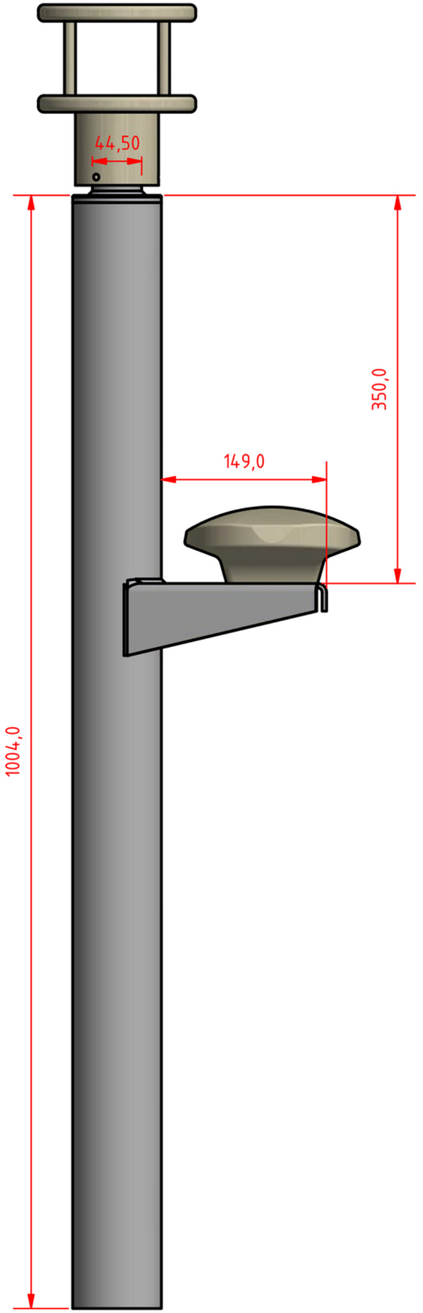
Wind Pole Specifications

Size	1004mm x 416.93mm
Weight	7 KG

E4 Silver Enclosure Specifications

Size	406mm x 330mm x 174mm
Weight	…
IP Classification	IP67





Technical specifications

GPS Sensor Specifications

Receiver Type	L1, C/A code, with carrier phase smoothin
Channels	Two 12-channel, parallel tracking (Two 10-channel when tracking SBAS)
SBAS Tracking	2-channel, parallel tracking
Update Rate	10 Hz standard 20 Hz optional (position and heading
Horizontal Accuracy	< 1.0 m 95% confidence (DGPS1) < 2.5 m 95% confidence (autonomous, no SA2)
Heading Accuracy	< 0.75˚ rms
Pitch/Roll Accuracy	< 1.5˚ rms
Heave Accuracy	30 cm 5
Rate of Turn	90˚/s maximum
Compass Safe Distance	30 cm 4
Cold Start	< 60 s (no almanac or RTC)
Warm Start	< 20 s typical (almanac and RTC)
Hot Start	< 1 s typical (almanac, RTC and position
Heading Fix	< 10 s typical (valid position)
Maximum Speed	1,850 kph (999 kts)
Maximum Altitude	18,288 m (60,0000 ft)

Physical

Dimensions	417 L x 158 W x 69 H mm
Weight	1.5 kg
Power/Data Connector	12-pin, Female, IP67

Environmental

Operating Temperature	-30°C to + 70°C
Storage Temperature	-40°C to + 85°C
Humidity	100% non-condensing
Vibration	IEC 60945

Technical specifications

Sonic Wind Sensor Specification

Wind Speed

Range	0 - 60 m/s (116 knots
Accuracy	±2% @ 12 m/s
Resolution	0.01 m/s (0.02 knots)
Response Time	0.25 seconds
Threshold	0.01 m/s

Direction

Range	0 = 360° (No dead band)
Accuracy	±2° @ 12 m/s
Resolution	1°
Response Time	0.25 seconds

Measurement

Ultrasonic Output Rate	0.25, 0.5, 1, 2 or 4 Hz
Parameters	Wind Speed & Direction or U and V (vectors)
Units of Measure	m/s, knots, mph, kph, ft/min

Environmental

Protection Class	IP66
Operating Temperature	-35°C to +70°C
Storage Temperature	-40°C to +80°C
Operating Humidity	<5% to 100% RH
Precipitation	300mm/hr
EMC	EN 61326: 1998

Order Information

SAILMON Partnumber: RSM-COACH	RRP exc. VAT: 9,950.00 €

SAILMON

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