# **Regulatory statements**

### Europe

Navico declares under our sole responsibility that the product conforms with the requirements of:

• CE under RED directive 2014/53/EU

### **United States of America**

Navico declares under our sole responsibility that the product conforms with the requirements of:

- Part 15 of the FCC Rules.
  - Operation is subject to the following two conditions:
  - (1) this device may not cause harmful interference, and
  - (2) this device must accept any interference received, including interference that may cause undesired operation.
- > Note: The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Warning: Used when it is necessary to warn personnel that they should proceed carefully to prevent risk of injury and/or damage to equipment/personnel.

- > Note: This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - · reorient or relocate the receiving antenna
  - increase the separation between the equipment and receiver
- connect the equipment into an outlet on a circuit different from that of the receiver
- consult the dealer or an experienced technician for help.

## Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Industry Canada Statement: Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

# **Australia and New Zealand**

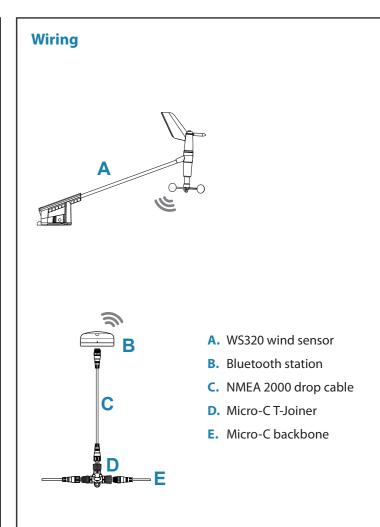
Navico declares under our sole responsibility that the product conforms with the requirements of:

- level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2017
- radiocommunications (Short Range Devices) Standards 2014

# Parts included B C D E H

	Wind pack	Sensor only
A. WS320 wind sensor	х	х
<b>B.</b> Screws No.10 x 5/8 (4x)	Х	Х
C. Gasket	Х	Х
D. Masthead bracket	Х	Х
E. Battery	Х	Х
<b>F.</b> Bluetooth base station with mounting accessories	Х	
<b>G.</b> Screw M4 30 mm SS316 (2x)	х	
H. NMEA 2000 drop cable	Х	
I. Micro-C T-Joiner	Х	





# **Technical specifications**

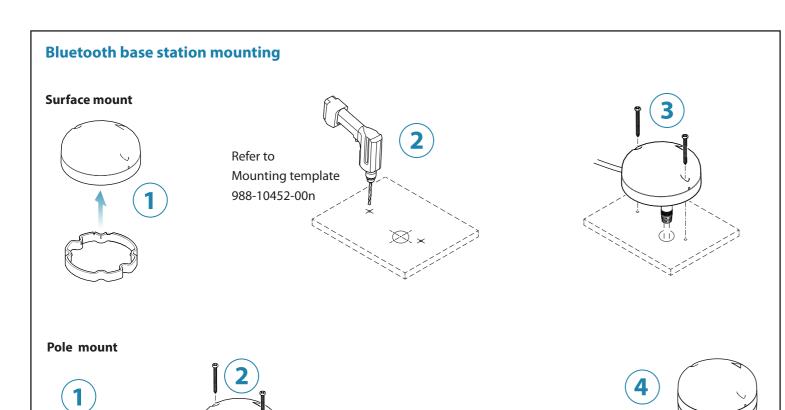
WS320	
Weight	0.32 kg (0.7 lbs)
Waterproof	IPx6 and IPx7
Temperature	-25°C to 65°C
Power usage	Solar powered
Wind speed resolution	0.05 m/sec (0.1 Knots)
Wind speed accuracy	+/- 0.1 m/sec (0.2 kt) from 1 - 40 m/sec (2 - 80 kt)
Wind speed range	0.25 - 50 m/sec (0.5 - 97 knots)
Wind angle resolution	0.1°
Wind angle accuray	+/- 0.5°
Wireless connectivity	<=30m (98 ft)
Data output	Apparent wind speed and angle at 5 Hz

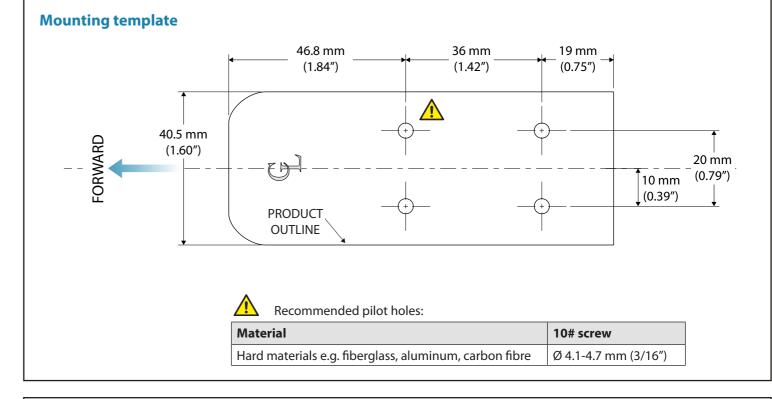
Base station	
Dimensions	Ø 90 mm (3.54") H 38 mm (1.50")
Power supply and interface	9-16 V DC via Micro-C network
Power consumption	1.2 W (<100 mA at 12 V DC)
Network Load	2 LEN (100 mA)
Temperature	Operating: -25°C to +60°C,
	Storage: -40°C to +85°C
Humidity	66°C, 95% RH, 18 hrs
Environmental protection	IPx7
In-rush current	2 A for 20 ms (at internal 5 V)
Connection cable:	Micro-C drop cable 1.8 m (6 ft)

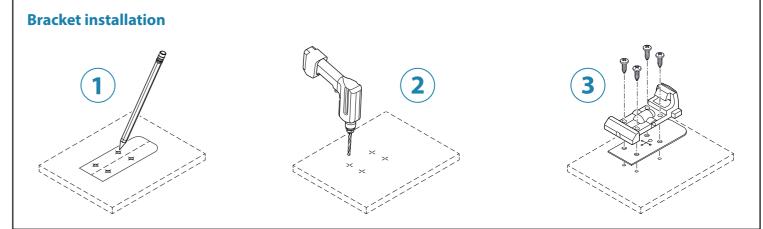
# Storage

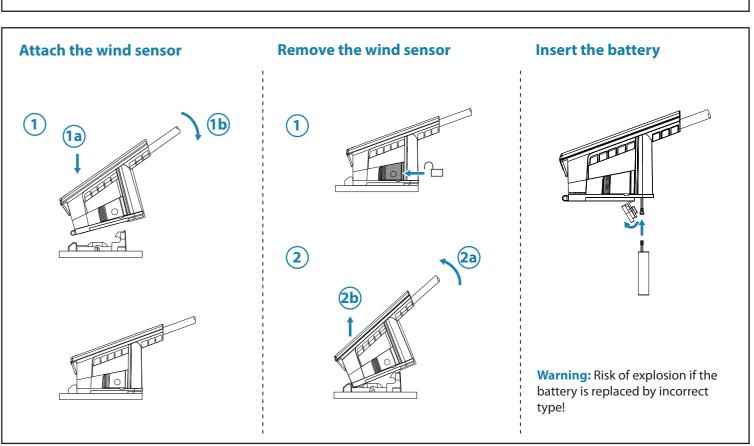
During winter storage we recommend that the mast head unit (MHU) is removed from the mast and the battery removed to prevent the battery from being drained.

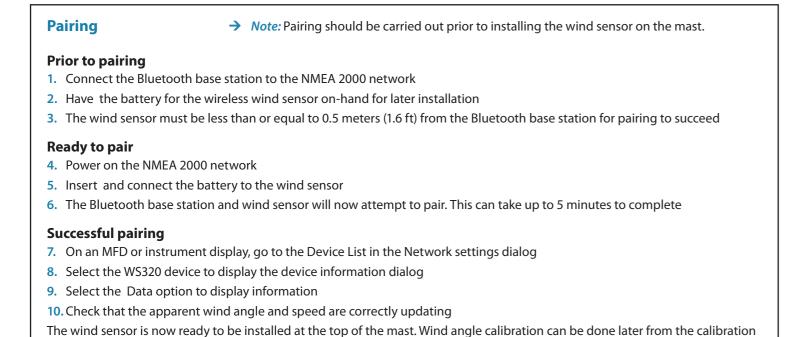
When required again, the pairing process will need to be followed to pair the MHU and base station.











→ Note: If the battery is disconnected, the sensor will lose its pairing with the base station and the above procedure must be

option in the network settings dialog.

repeated.