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VERATRON GO

Product presentation

01

PRODUCT OVERVIEW

VERATRON GO – VARIANTS

Veratron GO GPS
B00034901

GNSS Receiver

Veratron GO BLE
B00041601

Bluetooth®

Veratron GO Plus+
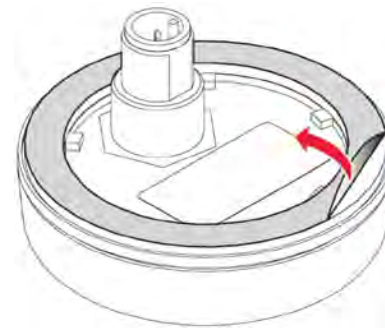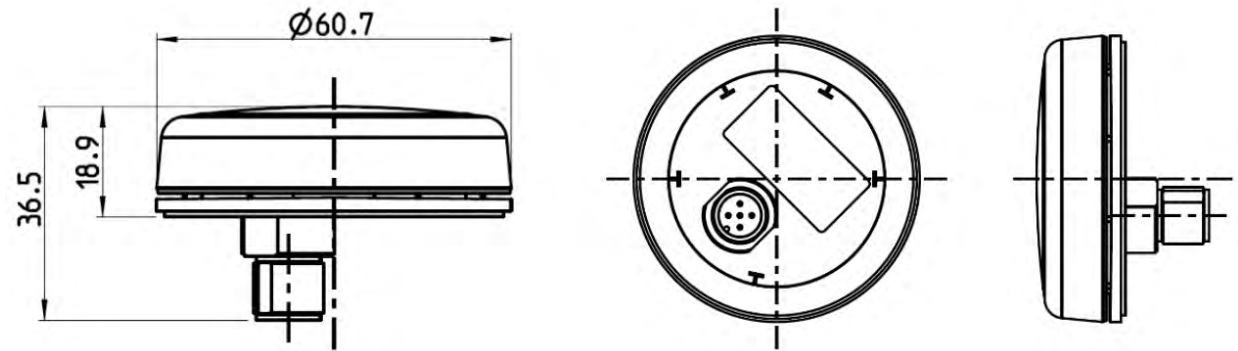B00041701

GNSS Receiver

Bluetooth®

VERATRON GO – GENERAL FEATURES

- ▼ **NMEA 2000 certified devices**

- ▼ **Powered by NMEA 2000 backbone (12V nominal voltage), no external power supply required**

- ▼ **Plug&Play installation, no calibrations needed**

- ▼ **Customizable tampon-printed logo on housing**

- ▼ **UL94, Reach and RoHS compliant**

- ▼ **CE and FCC declaration of conformity**
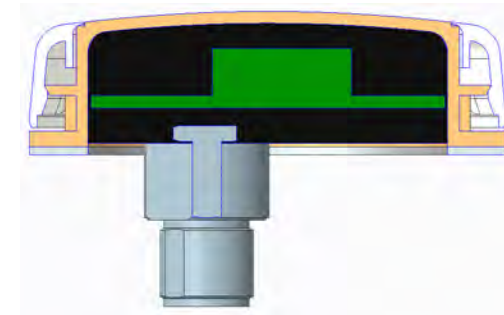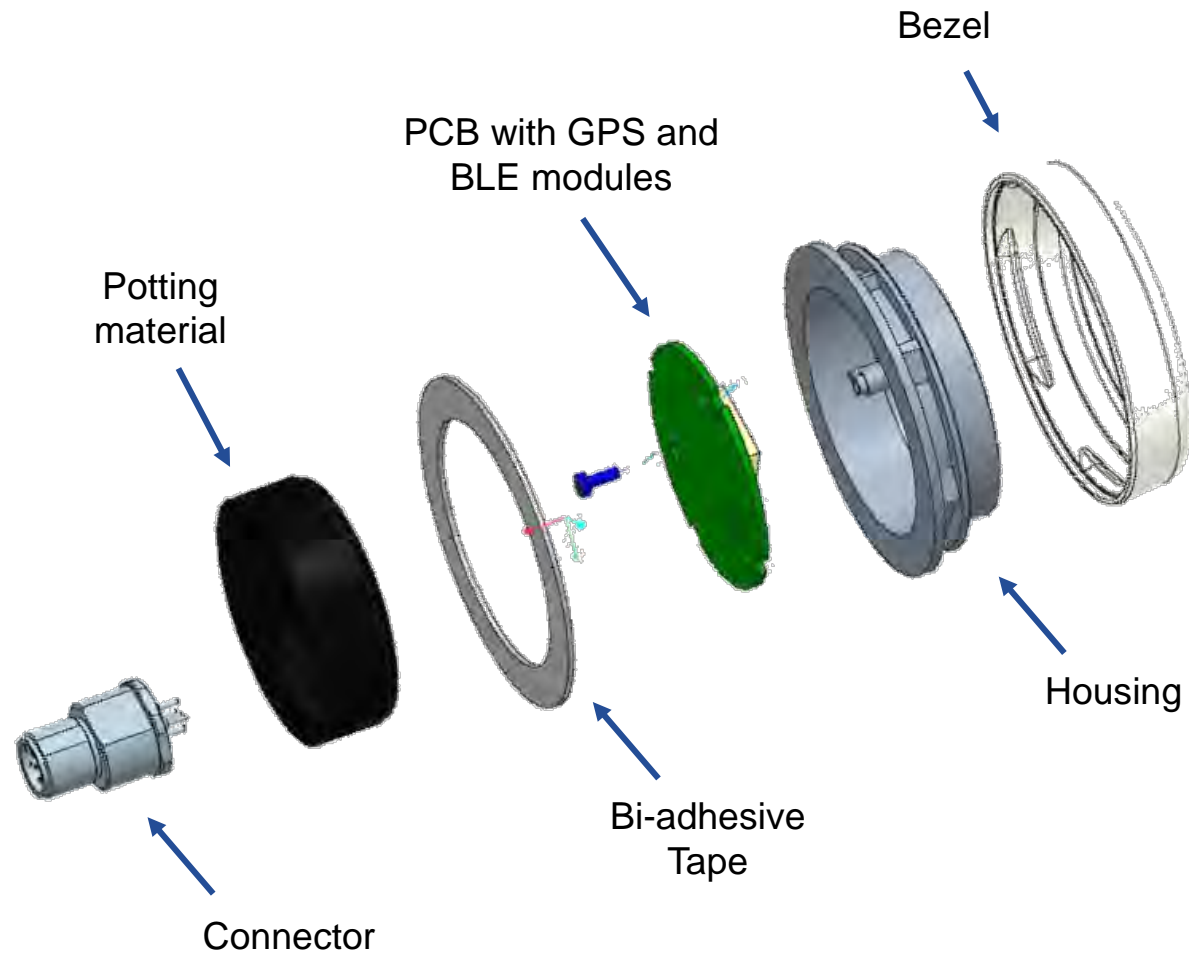
VERATRON GO – DESIGN

- ▼ **Small installation footprint**

- ▼ **High-performance Bi-adhesive tape surface installation**

- ▼ **Housing in ASA material (Acrylonitrile Styrene Acrylate), white color**

- ▼ **IPX7 acc. IEC60529 "Exposed Device"**

- ▼ **Micro-C M12 5-pin connector**

- ▼ **Compatible with OceanLink 52mm bezels**

NMEA 2000 interface

Pin	Signal
1	Shield
2	NET-S (V+)
3	NET-C (V-)
4	CAN Hi
5	CAN Lo

Bezel

PCB with GPS and
BLE modules

Potting
material

Housing

Bi-adhesive
Tape

Connector

veratron
MARINE

02

VERATRON GO GPS

VERATRON GO GPS – FEATURES

- ▼ **Up to 3 concurrent GNSS systems (GPS, GLONASS and GALILEO)**
- ▼ **SBAS – WAAS/EGNOS/MSAS/GAGAN supported**
- ▼ **72 channels reception**
- ▼ **Up to 10Hz update rate using concurrent GNSS, up to 18Hz using single GNSS**
- ▼ **Very high tracking sensitivity (-165dBm)**
- ▼ **26s position fix cold-start, 1s in hot start**
- ▼ **Position Accuracy: 2.5m**
- ▼ **Velocity Accuracy: 0.05m/s**
- ▼ **Heading Accuracy: 0.3°**
- ▼ **Front-end SAW band-pass filter for enhanced immunity against electrical noise**

The smallest NMEA 2000 GNSS antenna on the market!

VERATRON GO GPS – FEATURES

- ▼ **Device power consumption: 100mA (2 LEN) operational, 150mA (3 LEN) during startup**

- ▼ **NMEA 2000 standard PGNs transmitted for position, time, speed and heading**

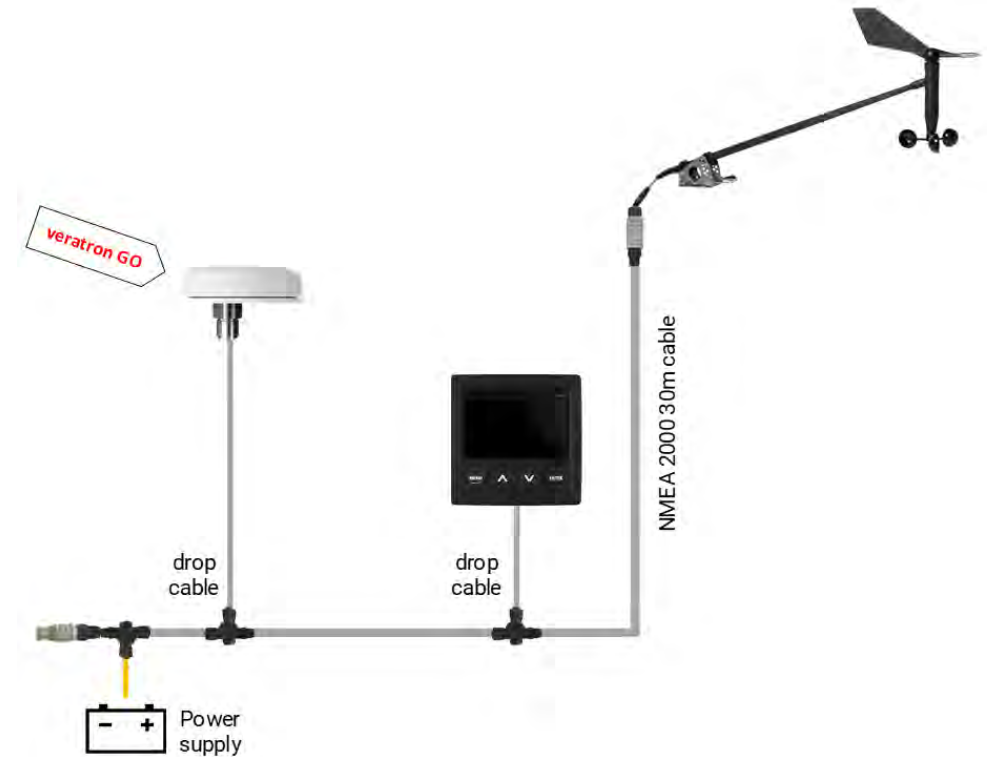- ▼ **Additional troubleshooting page has been added to the Veratron Configuration Tool dedicated to this device**

PGN	Description
126992	System Time
129025	Position, Rapid Update
129026	COG & SOG, Rapid Update
129029	GNSS Position Data
129539	GNSS DOPs
129540	GNSS Satellites in View

Enrich the OceanLink displays' displayed information with useful data for navigation like Date/Time, Speed and Course Over Ground.

Use those additional data to calculate other data like True Wind values if used in combination with a Wind Sensor.

03

VERATRON GO BLE

VERATRON GO BLE – FEATURES

- ▼ **Bluetooth v5 (Bluetooth Low Energy)**
- ▼ **2.4 GHz band, 40 channels**
- ▼ **GATT profile with simultaneous peripheral and central roles**

- ▼ **Up to 7 simultaneous connections of devices**
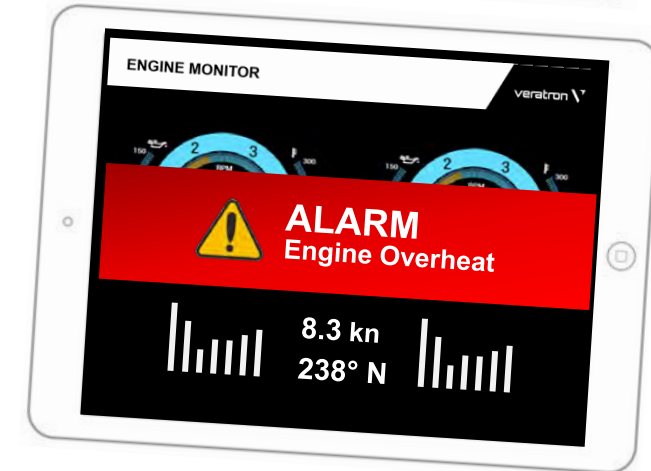- ▼ **Supports NFC pairing**
- ▼ **160m connection range**

Global certification

Europe (ETSI RED); **US** (FCC/CFR 47 part 15unlicensed modular transmitter approval); **Canada** (ISED RSS); **Japan** (MIC); **Taiwan** (NCC); **South Korea** (KCC); **Australia / New Zealand** (ACMA); **Brazil** (Anatel); **South Africa** (ICASA)

USE CASE – VESSEL MONITORING

- ▼ **Engine and Navigation real-time remote monitoring**
- ▼ **Alarm notifications / acknowledge**
- ▼ **Engine functions remote control (e.g. Troll)**
- ▼ **Anchor monitoring activation**
- ▼ **Last known status before storage**

USE CASE – SERVICE

- ▼ **Download of historical/actual DTC data**

- ▼ **Service center direct contact from App with diagnostic data transmission**

- ▼ **Spare parts ordering**

- ▼ **Wireless software updates**