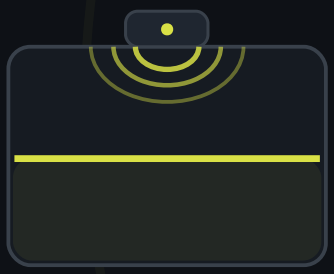
LIST

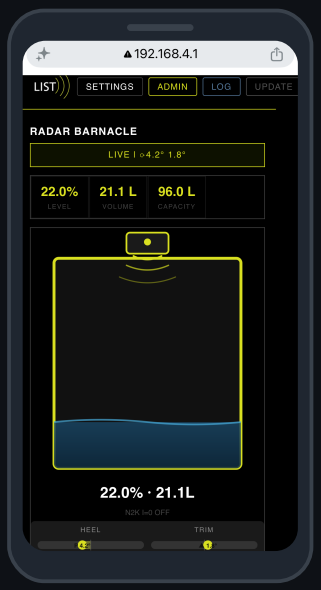
TANK BARNACLE RADAR

LEVEL SENSING THROUGH THE TANK TOP

NOTHING INSIDE THE TANK

Radar reads the fluid through the top of the tank.
Nothing enters it, so nothing can foul or corrode.





BUILT-IN WEB SERVER
Any phone, tablet or laptop

WHY IT IS DIFFERENT

NOTHING IN THE TANK
No probe, no float, nothing to foul

READS THROUGH THE TOP
No hole to cut, no new leak path

TILT CORRECTION
Stays right when the boat heels

N2K OR ANALOGUE
One sender, either network

AT A GLANCE

150 – 2000 MM
Measuring range, through the tank top

IP68
Sealed against immersion

ANY DEVICE
Built-in web server, nothing to install

Nixon Marine Global

LIST-PRODUCTS.COM

1 BOG ROAD, BALLYGOWAN, N. IRELAND BT23 6DJ · WINDHAM, MAINE, USA

TANK BARNACLE RADAR

TECHNICAL SPECIFICATION

ELECTRICAL

SUPPLY, N2K VARIANT	NMEA 2000 backbone
SUPPLY, ANA VARIANT	10 – 30 Vdc
CURRENT DRAW	75 mA
POWER	1 W at 12 Vdc
NMEA 2000 LEN	2
REVERSE POLARITY	Protected

ENVIRONMENTAL

OPERATING TEMP	0–50 °C / 32–122 °F
STORAGE TEMP	–20–60 °C / –4–140 °F
INGRESS PROTECTION	IP68
WARRANTY	3 years

MECHANICAL

DIAMETER	65 mm / 2.56 in
HEIGHT	40 mm / 1.57 in
WEIGHT	142 g / 5 oz
HOUSING	Polypropylene
DISPLAY	None — web server
CABLE EXIT	Side
CABLE LENGTH	600 mm / 23.6 in

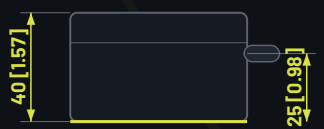
OUTPUTS

NMEA 2000	5-pin Micro-C, PGN 127505
ANALOGUE	0–190 Ω · 240–33 Ω · 0–5 V
CERTIFICATION	NMEA 2000 pending
WEB SERVER	View and set up, any browser
LIST-EN	868/915 MHz · 100 m
LIST-EN ANTENNA	Internal

OUTLINE AND CABLE



PLAN



ELEVATION

CABLE, ANALOGUE VARIANT · 6 mm OD · 600 mm

RED	Supply positive
BLACK	Input ground
BLUE	Output ground
WHITE	0–190 Ω output
YELLOW	240–33 Ω output
GREEN	0–5 Vdc output

Sensing face against the tank · fixed with 3M VHB adhesive · 30 mm dead zone at the sensing face · dimensions in mm [inches], not to scale

RADAR SENSING

MEASURING RANGE	150 – 2000 mm
RESOLUTION	To 7 mm, adjustable
DEAD ZONE	30 mm [1.18 in]
READ INTERVAL	10 s – 1 h, adjustable
MOUNTING	Tank top, outside
TANK WALL	Plastic, to 10 mm
METAL TANKS	Via adaptor
LIQUIDS	Fresh · grey · waste · diesel
GASOLINE / PETROL	Ignition protection pending

TILT CORRECTION

SENSOR	6-axis, on board
MEASURES	Pitch and roll
CORRECTION	Automatic
SHOWN	Live, in the UI
CAN BE TURNED OFF	Yes

Corrects the reading for heel and trim, with no extra hardware to fit.

ORDERING

TB-038251-N2K	NMEA 2000
TB-039251-ANA	Analogue

ADD A GAUGE

Barnacle Viewer — RS-038261-SCR
TFT colour gauge, pairs over LIST-EN

ALSO AVAILABLE

Tank Barnacle Capacitive	TB-338251-N2K
Tank Barnacle Ultrasonic	TB-038C21-CAN

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