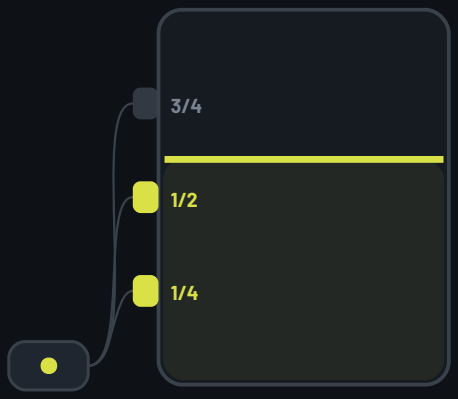
LIST

TANK BARNACLE CAPACITIVE

THREE-LEVEL SENSING THROUGH THE TANK SIDE WALL

NOTHING INSIDE THE TANK

Mounts on the side of the tank and reads three levels through the wall. Nothing enters the tank.



WHY IT IS DIFFERENT

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

SIDE MOUNTED
Reads through the tank side wall

THREE LEVELS
Quarter, half and three quarters

CALIBRATE IN ONE PRESS
No magnet, no tools, any time

AT A GLANCE

THREE LEVELS
Through the tank side wall

IP68
Sealed against immersion

TO 10 MM WALL
Plastic tanks

TANK BARNACLE CAPACITIVE

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

Body general arrangement · mounts with the sensing face against the tank side wall · dimensions in mm [inches], not to scale

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

CAPACITIVE SENSING

Dielectric shifts with tank contents, so calibration is one press.

SENSING PRINCIPLE	Capacitive, through wall
LEVELS	Three · 1/4, 1/2, 3/4
MOUNTING	Tank side wall, outside
TANK WALL	Plastic only, to 10 mm
METAL TANKS	Not supported
SENSOR FIXING	3M VHB adhesive
SENSOR LEADS	3.05 m / 10 ft
CALIBRATION	One press, no tools or magnet
LIQUIDS	Fresh · grey · waste · diesel

ORDERING

TB-338251-N2K	NMEA 2000
TB-338291-KIT	Kit

ALSO AVAILABLE

Tank Barnacle Radar	TB-038251-N2K
Tank Barnacle Ultrasonic	TB-038C21-CAN

Nixon Marine Global

LIST-PRODUCTS.COM

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