

AIS Transponder (VHF-Locator)

TECHNICAL DATASHEET



vmsTRACK-PRO-CS (A193)



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards

AIS Standards	IEC 61097-14
Environmental	IEC 60945
Product Safety	ITU-RM.1371-5
IMO Resolution	MSC.246(83)
GPS Performance	IEC 61108-1
CSTDMA	IEC 62287-1

Approvals

CE	SOLAS (PTL-MED-B-25-110730)
----	-----------------------------

AIS Transmitter

Tx Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Option:	Marine Band: 156,025MHz - 162,025MHz
Tx Output Power	2 Watt (radiated)
AIS messages	Msg 1 / Msg. 18 AIS Positions Report. Msg. 24 A/B AIS Static Report. Msg. 14: (SART) Alert Message Msg. 8, Msg. 25: AIS Encrypted Message
VHF Antenna	vertical polarized

Geofence/GNSS

Geofence/Coastline-Memory space	3000 points
Geofence/Coastline resolution	0.5 nautical mile
Position track storage	256 (or 1024 vmsTRACK-PRO) points

Options

	vmsTRACK-PRO-BT-CS	vmsTRACK-PRO-BT-CS-TF
Carrier Sense	yes	yes
Tamper feature	no	yes
Bluetooth®	yes	yes

Dimensions/Drawings

Weight	380 g
Dimensions (LxWxH):	128 x 76 x 40 mm

Variants

A193-BT-CS	vmsTRACK-PRO-BT-CS
A193-BT-CS-TF	vmsTRACK-PRO-BT-CS-TF

Environmental

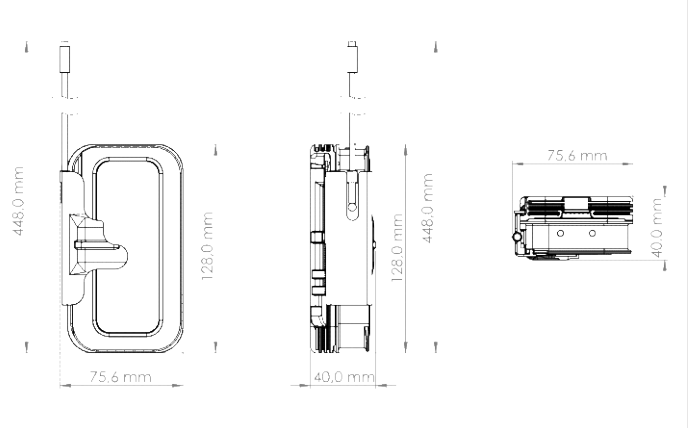
Operating Temperature	-10 ° C to + 55 ° C
Storage Temperature	-30°C to +70°C
Waterproof Rating	IP67
Immersion Depth	10 m
Buoyancy	yes
Compass Safe Distance	≥ 0.3 m

Interface

Display	3 colored LEDs, 1 white flash LED
Controls	2 buttons
Configuration	Bluetooth®LE

Battery (build-in)

Power supply	Internal 2600mAh Lithium-Ion battery pack
Operating time (normal operation)	100 - 180 h
Operating time (alert)	≥ 36 h with fully charged batteries
Battery lifetime	≥ 1000 charging periods
External power	12V or 24V < 0,5 Ah / day with 5 min reporting interval Charging station/Vessel generator/Solar panel



As of 03/2026 | Subject to change