

AIS/SAT Transponder (VHF-Locator)

TECHNICAL DATASHEET



vmsIONEER-I (A19404)



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards

Environmental	IEC 60945
Product Safety	ITU-RM.1371-5
IMO Resolution	MSC.246(83)
GPS Performance	IEC 61108-1

Operation Modes (transmissions)

ON/TRACK	location at regular intervals (defined by user)
SOS	distress message + location at regular intervals

Iridium Satellite Communication

Frequencies	1616-1626 MHz
Iridium® Network	Iridium® 9603 SBD Modem
Coverage	Global Coverage
Latency	< 1 Minute
Data Transmitted	Time, Position, Status Data Encryption 256AES as required

Geofence/GNSS

Geofence/Coastline-Memory space	3000 points
Geofence/Coastline resolution	0.5 nautical mile
GPS track storage	4000 points

Dimensions/Drawings

Weight	250 g
Dimensions (LxWxH):	128 x 76 x 40 mm

Approvals

CE	
FCC	T9JRN4020

Environmental

Operating Temperature	-10 ° C to + 55 ° C
Storage Temperature	-30°C to +60°C
Waterproof Rating	IP67
Resistance	Oil, seawater, sun light
Immersion Depth	10 m
Buoyancy	yes
Compass Safe Distance	min. 80 cm
Mechanical shock	Drop: into water: 20 m; on concrete surface: 1m
Thermal shock	45 K

Interface

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

Battery (build-in)

Power supply	Charging station/Vessel generator/Solar panel
Battery Type	Internal 2600mAh Lithium-Ion battery pack
Operating time (normal operat	100 - 180 h
Operating time (alert)	≥ 36 h with fully charged batteries
Battery storage (fully charged	≥ 3 month without significant loss of charge
Battery lifetime	rechargeable (1000 charging periods)

