

AIS MOB (Class M)

TECHNICAL DATASHEET



easy2-MOB (A22800)



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards

AIS / DSC Standards	IEC 63269; EN303 132; RTCM 11901.1
Environmental	IEC 60945
Product Safety	IEC 60950-1
IMO Resolution	MSC.246(83)
GPS Performance	IEC 61108-1

AIS Transmitter

Tx Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Tx Output Power	≥ 1 W
AIS messages	Msg.1 (UID, GPS position, SOG, COG, Nav. Status) Msg. 14 (MOB ACTIVE or MOB TEST)
VHF Antenna	vertically polarized

DSC Transceiver

DSC operation	"closed loop" and "open loop"
Frequencies	156.525 MHz
Radiated transmit power	DSC: ≥ 0,5 W
Sent Information (DSC)	Unit ID, Position (Lat./Long.), TEST CALL & ROUTINE CALL (Test) DISTRESS RELAY (Alarm)

GNSS Receiver

Receiving Channels	99 Channel Receiver with integrated antenna
Receiver	Up to 4 concurrent GNSS constellations
Supported GNSS	GPS, Galileo, GLONASS, BeiDou

Dimensions/Drawings

Weight	120 g
Dimensions (LxWxH):	420 x 53 x 33 mm (with extended antenna)

Approvals

CE	FCC: ZO5WDC-A228
RED	

Identification

MMSI/Unit-ID	972XXXXXX as MOB ACTIVE/TEST
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Environmental

Operating Temperature	-20 °C to + 55 °C
Storage Temperature	-30 °C to + 70 °C
Waterproof Rating	IP68
Immersion Depth	10 m
Buoyancy	yes
Compass Safe Distance	≥ 0.3 m

Interface

Display	LEDs 1 x GNSS, 2 x Status, 6 x red flare
Controls	2 buttons ("TEST" and "ON")
Connection	Bluetooth® LE

Battery

Battery Type	Industrial pack, 2 Lithium Cells (CR2) à 3V
Operating time	≥60h @ 20°C
Battery lifetime	7 years with a total of 30 test cycles

Activation Method

Activation Mode	Manual or automatic via water contact
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