

AIS SART (ATEX)

TECHNICAL DATASHEET



easyRESCUE-ATEX (Ao40-ATEX)



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards

AIS Standards	IEC 61097-14
Environmental	IEC 60945
Product Safety	ITU-RM.1371
IMO Resolution	MSC.246(83)
GPS Performance	IEC 61108-1
ATEX Class	II 3G Ex ic IIC T6 GC

Approvals

CE	FCC: Zo5WDC-Ao40
IC: 11269A-RESCUE	SOLAS (PTL-MED-B-25-110730)

AIS Transmitter

Tx Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Tx Output Power	1 Watt (radiated)
Transmission Range	
AIS messages	Msg.1 (UID, GPS position, SOG, COG, Nav. State) Msg. 14 (SART ACTIVE or SART TEST)
VHF Antenna	Fold-out, vertically polarized

GNSS Receiver

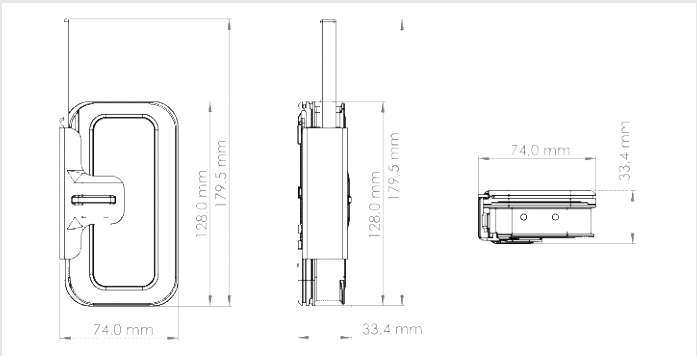
Receiving Channels	99 Channel Receiver with integrated antenna
Receiver	Up to 4 concurrent GNSS constellations
Supported GNSS	GPS, Galileo, GLONASS, BeiDou

Activation Method

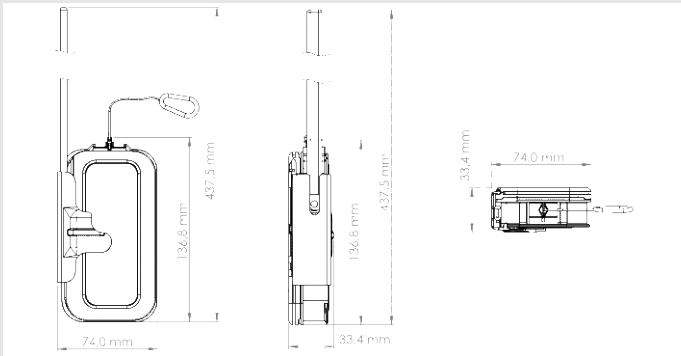
	Ao40-ATEX	Ao49-ATEX	Ao40-BW-COM-ATEX
Manual	yes	yes	yes
Automatic (water contact)	no	yes	yes
Automatic (rip cord)	no	no	yes

Dimensions/Drawings

Weight	app. 240 g
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Dimensions (LxWxH):	128 x 76 x 32 mm
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Variants

Ao40-ATEX	easyRESCUE-ATEX
Ao49-ATEX	easyRESCUE-A-ATEX
Ao40-BW-COM-ATEX	easyRESCUE-BW-COM-ATEX

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	3 colored LEDs, 1 white flash LED
Controls	2 buttons

Battery (build-in)

Battery Type	Industrial pack, 4 Lithium Cells (CR123A) à 3V
Operating time	≥ 96 hours at -20°C
Battery lifetime	≥ 5 years