

Sea Marshall AU9X Technical Data Sheet

SECTION 1: IDENTIFICATION

Product Name	Sea Marshall AU9X
Manufacturers Name	Marine Rescue Technologies
Address	Marshall House, Zarya Court, Grovehill Road, Beverley, HU17 0JG, United Kingdom.
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Description	<p>The Sea Marshall AU9X is a Zone 2 intrinsically safe Man Overboard locating device.</p> <p>Once armed the device is designed to activate automatically in the event of a Man Overboard incident.</p> <p>Following activation the Sea Marshall AU9X immediately transmits a 121.5MHz alert and homing signal.</p>



Battery Shipping Information: UN3091 Lithium Metal Batteries contained in equipment in compliance with IATA PI: 970 Section II.

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SECTION 2: SPECIFICATION

ENVIRONMENTAL

Environmental resistance	IP68
Operating temperature	-20°C to +55°C
Storage temperature	-45°C to +70°C
Operating humidity	To 95% non-condensing
Shock	20G min
Vibration	EuroCAE ED-14F
Compass safe distance	30cm (for <1° deflection)
Flammability rating	ED 14F 26.3.3 Category C:
Battery	6V Li-MnO ₂
Buoyancy	Buoyant (index=9%)
Transportation	UN3091 Lithium Metal Batteries contained in equipment in compliance with IATA PI: 970 Section II

PHYSICAL

Case Dimensions	80mm x 95mm x 35mm
Weight	250g
Antenna Visible Length	Approx. 105cm

STANDARDS APPLIED

EMC	EN 301 489-22 V1.3.1, EN 301 489-1 V1.8.1
Electrical safety	EN 60950-1:2006
Marine	IEC 60945:2002
Radio (121.5MHz)	EN 302 961 V1.2.1, RTCM 11901.1:2012
Approvals	CE & FCC; ATEX-Zone 2; Ex II 3G
ATEX Approval	Ex ic IIB T4 Gc Ta = -20°C ≤ Ta ≤ +55°C
ATEX Approval Certificate	Sira 10ATEX4253

RADIO

Air band frequencies	121.500MHz
Distress modulation	AM compliant to ITU-R M.690-2 (2012)
Air band power	100mW
VHF antenna	Centre-fed dipole, comprising coaxial cable and 1/8 coil whip

OPERATIONAL

Operating time	>12 hours continuous
Standby battery life	>3 years
Permanently armed	12 hours operation if armed for 12 months
Activation	Manual plus automatic water activation
Alert indication	Audible and visible