P/N 2914 PATHFINDER PRO

ACR Pathfinder PRO SART (Search and Rescue Radar Transponder, 9.2–9.5 GHz)

Respondedor de Radar SART 9 GHz

The ACR Electronics Pathfinder PRO (P/N 2914) is a 9.2–9.5 GHz Search and Rescue Radar Transponder (SART). When interrogated by marine X-band radar, it returns a distinctive pattern of 12 equally spaced blips on the rescue craft's radar display; the first blip marks the SART's location. It is intended to help search-and-rescue services locate a life raft. The unit is supplied with a vessel wall-mount bracket. An optional telescopic pole (P/N 2918) is available separately. Activate manually after removing the unit from its bracket. For maximum effectiveness, mount the SART at least 1 m (3.3 ft) above the sea and tether it with the stowed lanyard.

KEY FEATURES

- ACR Pathfinder PRO 9 GHz SART, P/N 2914
- Returns 12 radar blips when interrogated in the 9.2–9.5 GHz X-band
- Interrogation range at least 7.1 NM (IEC 61097-1, 15 m radar antenna height)
- User-replaceable $LiFeS_2$ battery (P/N 2920); 5-year replacement interval
- 96 hours standby and 12 hours active operation at −20 °C
- Waterproof to more than 10 m (33 ft) at +20 °C; compact 227 × 65 × 60 mm unit
- Vessel mounting bracket included; optional telescopic pole P/N 2918

TECHNICAL SPECIFICATIONS

Brand	ACR Electronics
Model	Pathfinder PRO SART
Part number	2914
Type	9 GHz Search and Rescue Radar Transponder (SART)
Frequency	9.2–9.5 GHz
Output power (EIRP)	>26 dBm EIRP (>400 mW)
Sweep / response	12 sweeps per radar interrogation
Interrogation range	At least 7.1 nautical miles (IEC 61097-1, Clause 6.7; radar antenna height 15 m)
Battery	Lithium iron disulphide ($LiFeS_2$), module P/N 2920 (LB3S); user-replaceable; 5-year replacement interval
Operating life	96 hours standby / 12 hours active at −20 °C (specification sheet: >96 / >12 hours)
Temperature	Operating: −20 to +55 °C (−4 to +131 °F). Storage: −30 to +70 °C (−22 to +158 °F) per the official specification sheet; the user manual states −30 to +65 °C
Waterproof / drop	>10 m (33 ft) at +20 °C; drop-proof 20 m onto water (user manual)
Buoyancy	Not stated in the official specification sheet or user manual
Dimensions / weight	227 × 65 × 60 mm (8.94 × 2.56 × 2.36 in); 440 g (15.5 oz); compass safe distance 1 m (user manual)
Deployment / activation	Manual. Remove from the bracket, break the clear protective cover, hold the interlock switch to the left and push the red switch down to lock in the active position. Mount at least 1 m (3.3 ft) above the sea.
Mounting	Quick-release vessel wall bracket included (four No. 6 × 5/8 in screws). Optional telescopic mounting pole P/N 2918, not included. Lanyard is stowed on the unit.
Warranty	2 years
Approvals	MED/4.18 (wheelmark), EC Type Examination DK-MED001120 Issue 04, TÜV SÜD Danmark (2443), valid 22 Sep 2025–21 Sep 2030; UK MER (MSN 1874); FCC ID XYES100, 47 CFR Part 80 Subpart W (GMDSS); Industry Canada 1322A-SART4; China CCS type approval. Official specification sheet also states USCG approved (separate USCG certificate not located). Tested to IEC 61097-1:2007, IEC 60945:2002, IMO Res. MSC.510(105) and A.694(17), ITU-R M.628-5 and SOLAS 74.
Supplied with	Pathfinder PRO SART, battery module (P/N 2920), mounting bracket, four screws, hex key and quick-start guide; lanyard stowed on the unit

Replaces the legacy Pathfinder 3 (P/N 2714 / 2714NH). The specification sheet calls the interlock switch yellow; the 2024 user manual calls it green. The current MED certificate cites IMO Res. MSC.510(105); a 2024 declaration of conformity also cites A.802(19). Pole P/N 2918 is optional, not included.

PRODUCT



SART AND VESSEL MOUNTING BRACKET



SART, FRONT VIEW

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