



HEKLEO-2XSR

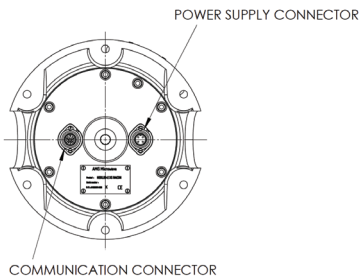
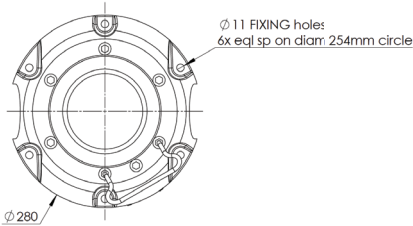
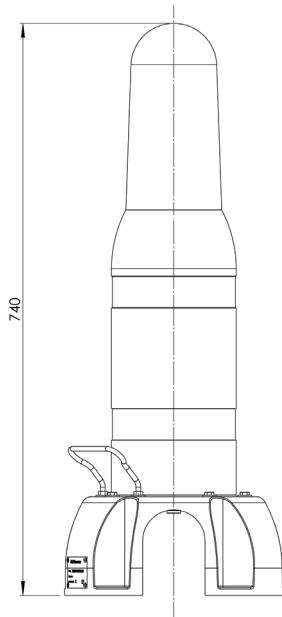
RACON

Dual Band Radar Beacon

HEKLEO-2XSR Racon is a frequency agile dual band radar beacon operating on marine S band and X band frequencies. HEKLEO-2XSR is easy to install due to light weight and simple intuitive programming features. HEKLEO-2XSR has low power consumption, configurable function period-sand can operate from solar powered systems. Rugged design from UV stabilised, non-corroding polyethylene body, immersion protected to IP67 is suitable for harsh marine and offshore environments.

- Operates on S and X band
- Side Lobe Suppression systems
- Low power consumption in active mode
- Power saving functional periods: Active, Listening and Standby
- User programmable Morse code and numerical characters to IMO A 530
- Field programmable
- Light weight
- Corrosion resistant
- Compliant to IMO/IALA Regulations
- Maintenance free
- Automatic self monitoring and calibration





Transmission

Frequency	X band (9300-9500 MHz) S band (2900-3100 MHz)
Response delay	<700 ns typical
Response encoding	Programmable A-Z, 0-9, SW-SE-NE-NW of morse code
Emitted power	1 W, typical

Reception

Detected pulse width	50 to 2000 ns
Receiver sensitivity	-50 dBm

Antennas

Polarisation in S band	Horizontal and vertical
Polarisation in X band	Horizontal
Horizontal diagram	2dB in X+S bands over 360°
Vertical diagram	+/-3dB X+S bands over +/-15°

Power

Nominal voltage	12 VDC / 24 VDC
Voltage range	9 - 36 VDC
Standby current	8 mA @ 12 VDC
Listening current	120 mA @ 12 VDC
Operating current	700 mA @ 12 VDC

Communications

User port	RS232 for programming and testing
Logical outputs	3 dry contacts

Mechanical characteristics

Environmental temperature range	-40° to +70°C / -40° to 158°F
Protection	IP67
Material	Polyethylene, UV resistant

Dimensions

Product	Product diameter	Product height	Product weight	Packing dimensions (DxWxH)	Gross weight
HEKLEO-2XSR	280 mm 11.02 inch	740 mm 29.13 inch	8.2 kg 18 lb	860x360x370 mm 33.86x14.17x14.57 inch	22 kg 48 lb