

HEKLEO-2XSR

RACON Dual Band Radar Beacon

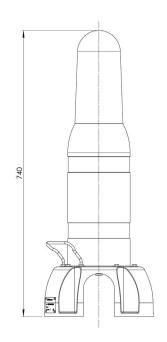
HEKLEO-2XSR Racon is a frequency agile dual band radar beacon operating on marine S band and X band frequencies. HEKLEO-2XSR is easy to install due to light weight and simple intuitive programming features. HEKLEO-2XSR has low power consumption, configurable function period-sand can operate from solar 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



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HEKLEO-2XSR



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 |

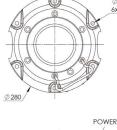
Antennas

| 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° | |

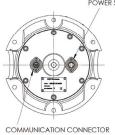




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|---|-------------------|-----------------|--|
| | Nominal voltage | 12 VDC / 24 VDC | |
| | Voltage range | 9 - 36 VDC | |
| | Standby current | 8 mA @ 12 VDC | |
| | Listening current | 120 mA @ 12 VDC | |
| | Operating current | 700 mA @ 12 VDC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



POWER SUPPLY CONNECTOR



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

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