

WaveRadar Rex2

The latest development in reliable sea surface measurement



Key Features

- 3-80m Measurement Range
- Extremely Low Power
- Real Time Display
- Compact & Lightweight
- Multiple Offshore Hazardous Certifications
- Minimal Export Restrictions

About WaveRadar Rex2

WaveRadar Rex2 is the latest development in reliable sea surface measurement. It is significantly smaller, lighter, consumes ten times less power than its predecessor, yet is fully backwards compatible with existing WaveRadar Rex installations.

WaveRadar Rex2 uses a 26 GHz radar sensor at its core, utilising Emerson's proven microwave FMCW technology. Higher

frequency sampling enables a greater measurement range of up to 80 metres from the sea surface, with no loss of accuracy or precision. Rex2 benefits from fewer export restrictions than any other microwave radar sensor.

An LCD screen enables in-situ sensor data and health checks, while the stainless steel and weather-resistant plastic construction maximises longevity in dynamic marine conditions.

With internationally recognised hazardous zone certifications, WaveRadar Rex2 can be used in almost any location around the world.

New software developments make motion-compensated wave measurement from both static floating platforms & moving vessels easier than ever, whilst allowing advanced configuration and health checking during deployment.

SPECIFICATIONS

Subject to change without notice

Performance	Measurement Range: 3 - 80 m Accuracy: 3 - 6 mm Sampling Rate: 10 Hz Microwave Sensor Freq: 26 GHz (open frequency) Automated error correction
Warranty	18 months standard 3 years extended 5 years extended
Data & Power	Output Data Rate: 2 - 10 Hz (user configurable) Data Output Format: Direct to RS485 USB & Ethernet Connection Optional Power Supply: 9-36 VDC Power Consumption: Average 0.4 W, Peak 1 W
Software Options	WaveConfigurator set up software WaveView Connect processing & display software Motion Compensation extension for floating vessel installations
Hardware	LCD sensor display Weathershield construction: SS316 & PTFE Sensor construction: SS316 & PTFE
Dimensions	Weight: Unpacked / Packed - 9 kg / 21 kg Size: Unpacked / Packed - 25 x 25 x 37 cm / 40 x 40 x 55 cm
Certifications	Europe: E1 ATEX Flameproof: (FM15ATEX0055X) USA: E5 Explosionproof (XP): (FM-US FM16US0010X) Canada: E6 Explosionproof: (FM-C FM16CA0011X) International: E7 IECEx Flameproof: (IECEx FMG15.0033X) RoHS compliant lead-free PCBs Low cost uncertified version