



RGMS

Time and Frequency Reference for Military Platforms

An OCXO oscillator disciplined by a GNSS receiver hardened against jamming and spoofing. When the signal drops, holdover takes over and the platform's time and frequency reference carries on uninterrupted.

**1.4 kg**

COMPACT CHASSIS

OCXO

HOLDOVER OSCILLATOR

9-48 VDC

WIDE INPUT • POE

-40...+71 °C

OPERATING RANGE

WHY RGMS

A lost signal can be managed. A false one deceives.

Jamming is a visible outage. Spoofing goes unnoticed — which is exactly what makes it the greater risk.

One common time reference across the platform

Radar, electronic warfare, datalink, command and control and logging all depend on precise timing. Drift between separate time sources degrades sensor correlation and makes root-cause analysis impossible.

INPUTS & OUTPUTS

INPUTS

- 2× RS232 (NMEA)
- 1× RS422/485
- 1× 1PPS

OUTPUTS

- 2× RS232 (NMEA)
- 1× RS422/485 (NMEA)
- IRIG-B (RS485)
- 1× 1PPS
- 4× 10 MHz

PLATFORMS

Land GROUND**Naval** SEA**Airborne** AIR

STANDARDS

MIL-STD-810H COMPLIANT DESIGN**MIL-STD-461H** COMPLIANT DESIGN**RTCA DO-160G** COMPLIANT DESIGN

WHERE IT OPERATES

Command & Control (C4ISR)

Command, control and intelligence architectures where separate subsystems must produce the same timestamp.

Air Platforms

The 1.4 kg bracket-mounted chassis, designed to meet DO-160G for air platforms and ground stations.

Naval Platforms

A single time source for shipboard radar, navigation and communications, in a chassis specified for salt fog and vibration.

Radar & Electronic Warfare

Four phase-coherent 10 MHz outputs feed radar and EW chains that depend on coherent processing.

Request the datasheet for full technical specifications.

info@sarpsystems.com • <https://sarpsystems.com>