

PRODUCT

# RXG-234 GONIOMETER

## Argos Platform Finder

### PLATFORM RECOVERY & DIRECT RECEPTION OF ARGOS DATA

The CLS RXG-234 Goniometer is a highly sensitive direction finder designed to retrieve all transmitting ARGOS platforms in the field, within a radius of 100km\*

#### SYSTEM CAPABILITIES

Argos demodulated messages and PTT reception angle are displayed

Provides direction and distance estimation of the transmitter

Real-time decoding of GNSS positions transmitted by the platform (if any)

All received data is stored and can be downloaded via USB

#### SYSTEM FEATURES

Built-in GPS and internal compass for local positioning (displayed on-screen)

AXG 234 antenna: built-in low noise amplifiers and discrete SAW band filters

Fully compatible with all generations of LD/VLD ARGOS transmitters

Waterproof

Autonomy > 50h

Portable: can be operated by one person

#### PC SOFTWARE

Goniometer and GPS decoding setup through a user-friendly interface

Export of all favorite platform messages (XLS files)

Real-time recording of all platforms received by the Goniometer



#### BENEFITS

**Recover** tracked animals or oceanographic equipment

**Download** large amounts of data in real time

**Test** your ARGOS transmitter before deployment

**Detect** all transmitting platforms in a given area

**Direct** reception of ARGOS data

#### NEW

**Full compatibility** with the current ARGOS constellation, ARGOS 4 and future KINEIS constellation

**Extended** Internal Memory save up to 200 000 messages internally (shared between all favorites platforms)

**All to Favorite mode** to automatically consider any platform received as a favorite (internally recorded)

**Proximity** & Narrow band modes for last meters and difficult conditions



\* with good environmental conditions, and also depending on antenna altitude and platform transmission power

## PRODUCT

# Technical specifications

### RXG-234 RECEIVER & AXG 234 ANTENNA

<b>GONIO RXG 234 weight</b>	565 gr
<b>GONIO RXG 234 dimensions</b>	135mm x 92.5mm x 34 mm
<b>Dimension of AXG 234 antenna</b>	400mm x 65mm
<b>AXG 234 Antenna Weight (without cable)</b>	650 gr
<b>Frequency range (MHz) (to be selected)</b>	B1 [401.610-401.690] B2 [401.530-401.610] B3 [401.460-401.540] B4 [401.390-401.470] B5 [401.310-401.390] B6 [401.110-401.190] B7 [401.010-401.090] B8 [399.970-400.050] B9 [399.900-399.980]
<b>Frequency stability</b>	±3.5ppm over the temperature range
<b>Minimum detection sensitivity</b>	-131dbm (63nVrms @50Ω)
<b>Accuracy of angle measurement</b>	±5°
<b>Resolution of the measurement of the angle</b>	T±1°
<b>Standard length of RG58 antenna cables</b>	5m
<b>Maximum length of RG58 antenna cable with extension</b>	25m
<b>Battery Charging Time (External Charger)</b>	7h
<b>Battery charging time via USB</b>	15h
<b>Internal Battery Capacity</b>	6800mAh
<b>Autonomy (USB &amp; GPS OFF)</b>	> 50h @ 25°C
<b>Temperature range</b>	0°C to +45°C for battery charging -20°C to +50°C in use
<b>Waterproof rating</b>	IP 66

Specifications are subject to change without prior notice



CLS goniometer kit



## KIT CONTENTS

- RXG 234 Goniometer
- AXG 234-A Antenna with a 5-m cable (25m extension available upon request)
- Software
- USB cable
- Power cord and charger
- Steel antenna mount (may be fixed to an existing structure)
- IP66 suitcase with preformed foam