

PRODUCT

RXG-234 GONIOMETER

Argos Platform Finder

ENVIRONMENTAL MONITORING

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 GPS 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 134-A 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 / CSV 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

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

** fully compatible with Argos-1/2/3 low data rate BPSK transmitters

PRODUCT

Technical specifications

RXG-234 RECEIVER & AXG 234 ANTENNA

GONIO RXG 234 weight	565 gr
GONIO RXG 234 dimensions	135mm x 92.5mm x 34 mm
Dimension of AXG 234 antenna	400mm x 65mm
AXG 234 Antenna Weight (without cable)	650 gr
Frequency range	401.650MHz
Frequency stability	±3.5ppm over the temperature range
Minimum detection sensitivity	-131dbm (63nVrms @50Ω)
Accuracy of angle measurement	±5°
Resolution of the measurement of the angle	T±1°
Standard length of RG58 antenna cables	5m
Maximum length of RG58 antenna cable with extension	25m
Battery Charging Time (External Charger)	7h
Battery charging time via USB	15h
Internal Battery Capacity	6800mAh
Autonomy (USB & GPS OFF)	> 50h @ 25°C
Temperature range	0°C to +45°C for battery charging -20°C to +50°C in use
Waterproof rating	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