

# ARGOS PLATFORM FINDER RXG-134 GONIOMETER

## ENVIRONMENTAL MONITORING

The CLS RXG-134 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 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 received messages (XLS / CSV files)
- Real-time display of all platforms viewed by the Goniometer



RXG-134 receiver



## 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

## TECHNICAL SPECIFICATIONS

## RXG-134 RECEIVER & AXG-134 ANTENNA

GONIO RXG 134 dimensions	135mm x 92.5mm x 34mm
GONIO RXG 134 weight	565gr
Dimension of AXG 134 antenna	400mm x 65mm
AXG 134 Antenna Weight (without cable)	650gr
Frequency range	401.650MHz
Bandwidth	± 30KHz à 0.5db
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 à +50°C in use
Waterproof rating	IP 66

\* Specifications are subject to change without prior notice



### KIT CONTENTS

- RXG134 Goniometer
- AXG134-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

CLS goniometer kit