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# ARGOS



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## PROPOSAL FOR CLS RXG-134 ARGOS GONIOMETER

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Technical & Financial proposal

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**List of Contents:**

<b>1. Presentation.....</b>	<b>1</b>
<b>2. Technical specifications.....</b>	<b>2</b>
<b>3. Financial proposal.....</b>	<b>3</b>



# 1. Presentation



RXG-134 receiver



AXG-134 antenna



CLS Goniometer kit

**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\***

**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

## ✓ 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

\*with good environmental and reception conditions



## 2. Technical specifications

<b>RXG-134 receiver &amp; AXG-134 antenna</b>	
<i>Frequency range</i>	401.650MHz
<i>Bandwidth</i>	± 30KHz à 0.5db
<i>Frequency stability</i>	±3.5ppm over the temperature range
<i>Minimum detection sensitivity</i>	-131dbm (63nVrms @50Ω)
<i>Accuracy of angle measurement</i>	±5°
<i>Resolution of the measurement of the angle</i>	±1°
<i>Standard length of RG58 antenna cables</i>	5m
<i>Maximum length of RG58 antenna cable with extension</i>	25m
<i>Battery Charging Time (External Charger)</i>	7h
<i>Battery charging time via USB</i>	15h
<i>Internal Battery Capacity</i>	6800mAh
<i>Autonomy (USB &amp; GPS OFF)</i>	>50h @ 25°C
<i>Temperature range</i>	0°C to +45°C for battery charging -20°C à +50°C in use
<i>Waterproofness</i>	IP 66
<i>GONIO RXG 134 dimensions</i>	135mm x 92.5mm x 34mm
<i>GONIO RXG 134 weight</i>	565gr
<i>Dimension of AXG 134antenna</i>	400mm x 65mm
<i>AXG 134 Antenna Weight (without cable)</i>	650gr