

DIRECTION FINDER GONIOMETER

ENVIRONMENTAL MONITORING



**A cost-effective way
to extend your research**

CLS goniometer helps users find active ARGOS platforms in the field. Depending on the altitude and the reception conditions the goniometer can detect all transmitting platforms within a radius of 100 km or more.

PERFORMANCE

The CLS goniometer is a very high sensitive direction finder that provides the direction as well as an indication of the distance of an Argos transmitter for field recovery.

This powerful local Argos receiver is able to locate an Argos transmitter thanks to a set of: RXG-134 (direction finder) and AXG 134-A (antenna).

Argos demodulated messages and PTT reception angle are displayed on the screen and available on serial port. An embedded GPS provides local positioning information.

The AXG 134-A antenna is composed by low noise amplifiers and discrete SAW (Surface Acoustic Wavefilter) band filters.

The CLS goniometer is delivered as a complete kit including following elements:

- The GONIO RXG134
- A USB cable
- A specific charger
- An AXG134-A antenna with a 5-m cable

The set comes in an IP66 suitcase with preformed foam.

TECHNICAL CHARACTERISTICS

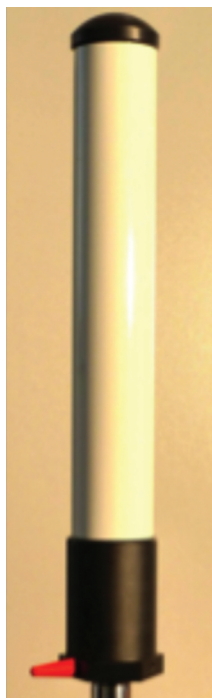
RXG-134 RECEIVER & AXG-134 ANTENNA

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	$\pm 30\text{KHz}$ à 0.5db
Frequency stability	$\pm 3.5\text{ppm}$ over the temperature range
Minimum detection sensitivity	-131dbm (63nVrms @50 Ω)
Accuracy of angle measurement	$\pm 5^\circ$
Resolution of the measurement of the angle	$\pm 1^\circ$
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

*Characteristics are subject to change without prior notice



RXG-134 receiver



AXG-134 antenna



CLS goniometer kit



CLS AMERICA, INC.
4300 FORBES BLVD., SUITE 110
LANHAM, MD 20706
301-925-4411