

CTL3510-M1

GNSS Interference Detector & Logger



GNSS Interference Detector with Event Logging

Product Overview

The Chronos CTL3510-M1 GNSS Interference Detector and Logger is a ruggedised waterproofed, handheld, battery operated device designed to detect the presence of GNSS jamming or too much power or interference in the GPS L1 and Galileo E1 bands in harsh environments.

- Ideal for detecting commercially available GNSS jammers hidden in vehicles
- Ideal for detecting GNSS jamming in harsh environments
- Time stamped event logging feature enables covert deployment in vehicles where the driver is suspected of using GPS Jammers

Applications - GNSS Interference Detector & Locator

Detection and location of GNSS jammers in:

- Harsh environments
- Any vehicle or human carrier
- Truck holding areas
- Van depot gates
- Ports, freight & container terminals

Applications - GPS Antenna Installation

- Routine checking of new and existing GNSS antenna installations
- Detection of spurious emissions caused by cable/connector corrosion impedance mismatch



Key Features

- IP67 waterproofed ruggedised enclosure
- Detects GPS interference at 1575.42MHz (GPS - L1 & Galileo - E1)
- High sensitivity
- Time stamped event logging (pc software)
- Visual LED display of interference strength
- Vibrate alert
- Handheld - small size
- Battery indicator display
- Covert mode
- Carabiner mounting ring

DATASHEET



Contact NavtechGPS for product details. www.NavtechGPS.com
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Specifications

Detection Capability

The CTL3510-M1 detects power in the GPS L1 band over a 20MHz bandwidth at 1575.42 MHz and displays power level using 8 LEDs.

LED Signal Strength Indications

- 8 LED power signal strength indicators centred at 1575.42MHz (GPS L1 and Galileo E1)
- Each LED indicates strength in approximately 5dB steps
- Yellow LEDs indicate lower power and red LEDs indicate higher power

Switches

- Power on/off
- Battery test

Event Logging

- Time stamping of events with USB download to PC
- PC App supplied to interface to CTL3510-M1 to run on Windows 32/64 bit platform

Temperature

- Operating -15°C to $+50^{\circ}\text{C}$
- Storage -15°C to $+50^{\circ}\text{C}$

Physical

Case: 25 x 88 x 165mm (including mounting ring)

Weight: 270 grams (including battery)

Battery: AA Alkaline x 2

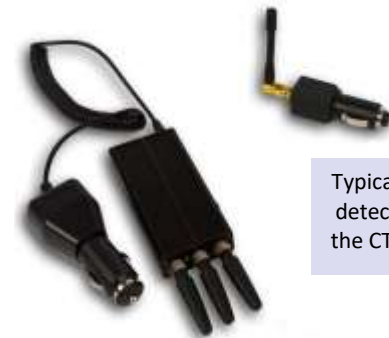
Battery Life: 24 hours

Supplied Accessories

USB cable for connection to PC

Optional Accessories

CTL3510 universal mount with twist body suction cup base designed to have a strong hold on glass and non-porous plastic surfaces. The mount rubber ball and socket system has adjustment points at both ends of the double socket arm allowing for almost infinite adjustment and perfect viewing angles.



Typical Jammers detectable with the CTL3510-M1



CTL3510 universal mount

Users Include:

- Law Enforcement Agencies
- Security
- Communications Licensing Regulators
- Government Agencies
- GPS Installation Engineers