



999.00 EUR

incl. 19% VAT, plus shipping

- **Sony CXD2951GA-4**
- **Waterproof !**

The CTFGPS-1 GPS receiver features the new chipset Sony CXD2951GA-4, is waterproof and has a magnetic and rugged case bottom. The integrated highly sensitive GPS Aerial gives you a maximum reception quality.

The connection cable can be enlarged up to 5 meters for optimal placement of the receiver. The integrated USB-to-Serial bridge eases usage. For installation you only need a small USB driver.

Specifications

Receiver

Tracking up to 12 satellites L1, 1575.42 MHz, C/A code

Accuracy

Position: 2DRMS approximately 2m, WAAS support
Velocity: 0.1 m/s without SA imposed
Time: $\pm 1\mu\text{s}$

Acquisition Time

Cold Start: 45s (Average)
Warm Start: 35s (Average)
Hot Start: 2s (Minimum)

Sensitivity

Acquisition: -139dBm
Tracking: -152dBm

Dynamics

Max Altitude: 18000m
Max Velocity: 500m/s
Max Acceleration: $\pm 4g$

Navigation Update Rate

Once per second

Serial Port

TTL, RS232

Baud Rate

4800 bps (Optional 9600, 19300, 38400 bps)

Output Message

NMEA0283 V2.2 GGA, GSV, GSA, RMC
(optional VTG, GLL)

Datum

WGS 84

Power Supply

DC 5V \pm 5%

Power Consumption

Typical 80mA @5V

LED Indicator

Power On/Off

Navigation

Operating Temperature

-40° ~ +85° C

Storage Temperature

-40° ~ +100° C

Humidity

5%~95%

Antenna Type

Built-in patch antenna