



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<br>Velocity: 0.1 m/s without SA imposed<br>Time: $\pm 1\mu s$ |
| Acquisition Time       | Cold Start: 45s (Average)<br>Warm Start: 35s (Average)<br>Hot Start: 2s (Minimum)                            |
| Sensitivity            | Acquisition: -139dBm<br>Tracking: -152dBm                                                                    |
| Dynamics               | Max Altitude: 18000m<br>Max Velocity: 500m/s<br>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<br>Navigation                                                                                   |
| Operating Temperature  | -40° ~ +85° C                                                                                                |
| Storage Temperature    | -40° ~ +100° C                                                                                               |
| Humidity               | 5%~95%                                                                                                       |
| Antenna Type           | Built-in patch antenna                                                                                       |