

**SkyTra**  
empower mobility, without uncertainty



999.00 EUR

incl. 19% VAT, plus shipping

- **Venus 6 chipset !**
- **Waterproof !**

**Support:** [Firmware Update 13-03-2009](#)

The new Venus-6 chipset is beating the so far performance winner Sirf-3 ! Comparison :

- Channels : Sirf3 20, Venus-6 51
- Accuracy : Sirf3 5m, Venus-6 2.5m
- Cold start acquisition time : Sirf3 48 sec, Venus-6 29 sec
- Acquisition-sensitivity : Sirf3 -148db, Venus-6 -155db

The CTFGPS-3 GPS receiver features the new chipset VENUS-6, 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 by 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 51 satellites L1, 1575.42 MHz, C/A code

Accuracy

Position: CEP approximately 2.5m  
Velocity: 0.1 m/s without SA imposed  
Time:  $\pm 1\mu\text{s}$

Acquisition Time

Cold Start: 29s (Average)  
Hot Start: 1s (Minimum)

Sensitivity

Acquisition: -155dBm  
Tracking: -158 dBm

## Dynamics

Max Altitude: 18000m  
Max Velocity: 515m/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

NMEA0183 V3.01 GGA, GSV, GSA, RMC  
(optional VTG, GLL)

## Datum

WGS 84

## Power Supply

DC 3.3~5V

## Power Consumption

Typical 40mA @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

## **Update 13.03.2009 :**

For fixing the positioning-problem there now is a firmware update available (starting from 13.03.2009 all shipped receivers already have the update included) : [CTFGPS-3 Firmware Update 13-03-2009](#)