



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-sensivity : 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 Aaerial gives you a maximum receiption 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               | I racking up to 51 satellites L1, 1575.42 MHz, C/A code |
|                        | Position: CEP approximately 2.5m                        |
| Accuracy               | Velocity: 0.1 m/s without SA imposed                    |
|                        | Time: ±1µs  |
| 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: ±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 Lemperature | -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) : <u>CTFGPS-3 Firmware Update 13-03-2009</u>