

999.00 EUR
 incl. 19% VAT, plus [shipping](#)

 empower mobility, without uncertainty

- 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: $\pm 4\text{g}$
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](http://www.cartft.com/catalog/iI/975)