



SENSEL VTX 75-i

Vehicle Tracking Unit

Technical Specifications

SENSEL TELEMATICS



Features:

- Programmable update rate
- 2 programmable buttons for voice calls, panic or custom definition
- 2 LED indicators for GSM and GPS activity
- RS232 port for interface with accessories
- 2 Analog inputs, 1 Analog output (DAC)
- 2 Digital inputs, 2 Digital outputs
- Built in Audio Amplifier that can connect to external 8 ohm 85 dB/Watt/Meter speaker.
- Microphone input
- Tamper detection

GPRS/GSM Specification:

- Dual Band EGSM (900/1800 MHz)
- mobile station class B supporting GPRS Class 10, coding schemes 1 to 4 and PBCCH
- Module approvals: fully type approved conforming R&TTE directive, CE, GCF
- SMS (text/data)
- 3 GPP Release 4
- TCP/IP

Output Power:

- Class 4 (2W) @ 900 MHz
- Class 1 (1W) @ 1800 MHz

Sensitivity :

- ≤- 108 dBm (typ.) @ 850/900 MHz
- ≤- 107 dBm (typ.) @ 1800/1900 MHz

GPS Specifications:

- SiRF starIV Chipset
- Sensitivity (tracking) –up to -163 dBm
- Horizontal Position Accuracy < 2.5 m CEP
- Velocity accuracy < 0.01 m/s
- Hot Start < 1 secs
- Cold Start < 35 secs
- 48-channel GPS, L1 1575.42MHz
- NMEA-0183

Electrical Specification:

Input Voltage Range: 9V to 30V
Protected against load dumps
Current consumption : < 0.5 Amps (avg) at 12V

Environment Specification:

Operating Temperature: -10 deg C to +70 deg C
ESD : upto 12kV

Antennas:

GSM Antenna : Hex band cellular antenna
1.5dBi Gain @ 900 MHz
2.5dBi Gain @ 1800 MHz
GPS Antenna: Embedded patch 15x15mm

Storage Specification

2 days of data backup
Upto 20 voice messages
Upto 1000 way-points storage

Certifications

IP66 as per IEC 60529
SAE J 1455 – Vibrations and Shock
MIL 202 - Shock