



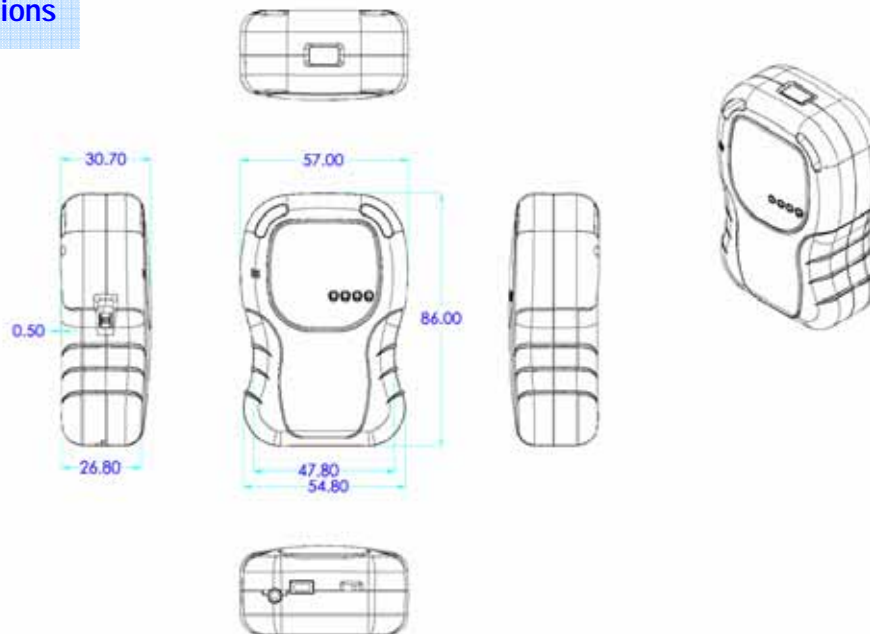
**Personal Tracker  
PT-33**



## Accessories



## Dimensions



## Applications:

- Child care - locate missing children, track children's whereabouts
- Disables' safety - dementia sufferers' safety, seniors' safety
- Outdoor recreation - travel, hiking, bike riding
- Rescue operations
- Animal tracking -locate missing pets, hunting, wildlife research

- Security -safety of police force or security guard, locate valuables
- Military use - locate soldiers on the battlefields
- Business use - manage and dispatch sales/technical force, logistics

#### Hardware Features:

- Integrated GPS and GPRS/GSM modules
- GPRS support GSM for downloading logged data
- Memory capacity up to 100,000 individual locations
- Built in motion switch (the unit can be mounted in any position for activation).
- 1 \* power switch
- 1 \* motion/parking switch (Bluetooth switch optional)
- 1 \* Panic Button
- 1 \* Microphone
- Serial (1200 to 38400 baud Rate) for external communication, firmware upgrade, GPS data output and battery charge.
- 4 LED indicators
- Ear phone jack

#### Firmware Features:

- Send panic message and locations via GPRS/SMS
- Motion sleep mode/Basic sleep mode/deep sleep mode for power saving
- Motionless alert
- Audio surveillance  
( Note : audio function could vary according to different GSM provider)
- Real time tracking using SMS and GPRS

IF MEMORY ERROR OR MEMORY CRC ERROR THEN ALL LEDS WILL FLASH AT THE SAME TIME!!!

#### Physical Characteristics:

- Unit size: 86 \* 57 \* 30.7mm (height)
- Weight: 90 g, 120 g including the battery  
Plastic ABS
- Case Environmental Characteristics:
- Operational Temperature: -20°C to +60°C (board temperature)
- Operational humidity: 0% to 90% (board humidity)

#### Electrical Characteristics:

- Input Voltage: + 5 Volt (Battery Charge)
- Online mode:  
(GPRS on line + GPS on, GPRS sending every 10 seconds)>100mA  
(11 hours)  
(GSM stand by + GPS on) >70mA (16 hours)
- Standby mode :(GSM stand by + GPS off) >14mA ( 83hours )
- Deep sleeping mode: (GSM off+ GPS off + 1 hour checking) (86 hours)
- Battery Power: Li-ion -1100 mA

### GPS Specifications:

- Ublox- LEA-4S or Ublox– LEA-5S chipset version
- Parameter Specification
  - ✓ Receiver Type: L1\_frequency, C/A Code, 16-Channels, 8192\_time/frequency\_search\_windows
  - ✓ Max Navigation Update Rate: 4 Hz
- Accuracy Position
  - ✓ Position DGPS / SBAS2
  - ✓ 2.5m CEP3 5.0m SEP4
  - ✓ 2.0m CEP 3.0m SEP
- Acquisition GPS Mode
  - ✓ Cold Start 34 Sec (First time fix can be between 1-3 minutes)
  - ✓ Warm Start 33 Sec
  - ✓ Hot Start <3.5 Sec
  - ✓ Reacquisition <1 Sec
- Sensitivity
  - ✓ Tracking -158 dBm (Up to -160 dBm for Ublox-5)
  - ✓ Acquisition & Re-acquisition -148 dBm
  - ✓ Cold Starts -142 dBm

### GSM Specifications:

- Quad-Band GSM/GPRS 850/900/1800/1900 MHz
- GPRS multi-slot class 10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
- Class4 (2W at 850/900 MHz)
- Class1 (1W at 1800/1900 MHz)

### Optional Function:

Bluetooth V1.1 output

[Optional Accessories:](#)



**Black Leatherette Case**



**Charger**