



SP8502

Compact Portable GPS Tracker

The Skypatrol SP8502 Personal GPS is ideally sized for portability, concealability and durability and is perfect for tracking field personnel, seniors and children. In business, the SP8502 can be used to monitor and measure employee movement, but also provides an added level of security with the user activated alert button. Typical applications include police/security officers, sales reps and couriers. For the family, give them Peace of Mind All the Time® with a portable GPS. You will be able to locate them on any smartphone or PC, and they will be able to alert you with an email or SMS text message. You can even set alerts if they wander from boundaries that you define.



FEATURES

- Oversize lithium ion battery delivers extended operation between charges
- 3-axis accelerometer for Motion Alert with configurable thresholds
- Voltage monitoring and Low Battery notification
- On-board light and temperature sensors

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Specifications



GPS

Receiver	50 channel GPS (with SBAS) SBAS: WAAS, EGNOS, MSAS, GAGAN
Location Accuracy	2.0 meter CEP (with SBAS)
Tracking Sensitivity	-162dBm
Acquisition Sensitivity	-147dBm
AGPS Capable	Yes

CELLULAR

Data Support	SMS, UDP or GPRS/EDGE/HSPA packet data
Operating Bands	GSM/GPRS: 850/900/1800/1900 HSPA/UMTS: 850(V)/900(VIII)/1900 (II)/2100(I) HSPA Fallback: EDGE/GPRS/GSM quad band
Transmitter Power GSM/GPRS	850/900 32.5dB 1800/1900 29.5dB
Audio	Analog and Digital

USER INTERFACES

Cellular Antenna	Internal only
Serial Port	via USB port
Bluetooth	Optional
Smart SOS Button	Yes
Notifications	Voltage monitoring and low battery
SIM Access	Internal (optional)

ON BOARD

3-Axis Accelerometer	Built-in for motion alert with configurable thresholds
Light Sensor	Built-In
Temperature Sensor	Built-In

ELECTRICAL

Operating Voltage	4.2V internal battery pack
Power Consumption	Typical 200µA @4.2V (deep sleep) Typical 21.5 mA @ 4.2V (SMS+UDP connection, GPS off) Typical 89.9 mA @ 4.2V (continuous transmit)
Battery	Rechargeable Lithium-Ion 2000 or 1300mAh
Power on Sleep Mode	Ultra low
Configuration	Automatic over-the-air on power up Voltage Monitoring and Low Battery notification

PHYSICALS

Dimensions	64.75 x 41.3 x 25.5 mm (2000) 64.75 x 41.3 x 20.5 mm (1300)
Weight	85g

ENVIRONMENTAL

Operating Temperature	-30°C to +70°C (operating) -40°C to +85°C (storage)
Humidity	Up to 95% non-condensing
Certifications	FCC/PTCRB/IC/CE/ROHS/AT&T
RoHS	Compliant

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