

AV110

SPECIFICATIONS

COMPETITIVE PRICE, TECHNOLOGY, AND EDGE

The AV110 is a compact, fully-sealed tracking device. It is designed for construction equipment and recreational vehicles. The AV110 is easily installed.



KEY BENEFITS

- > Economically priced device
- > Water resistant
- > Superior GPS quality
- > Highly configurable
- > Built-in cellular and GPS antenna for easy installation
- > Automatic, over-the-air firmware download
- > Simple, easy to use, diagnostic tools

KEY FEATURES

- > 700 mAh back-up battery
- > GPRS and SMS-based messaging
- > Super sensitive GPS (-160 dBm)
- > Ultra-low power save mode (1 mA)
- > Voltage monitoring and low battery notification
- > 2,000 buffered messages
- > Temperature sensing via 1-Wire® protocol

DEVELOPMENT SUPPORT OPTIONS

- > Custom development available on request

WARRANTY

- > One (1) year parts and labor
- > Extended warranty also available

GENERAL SPECIFICATIONS

Communication Modes

- > GPRS, SMS

Operating Voltage

- > 12 and 24 volt vehicle systems

GPS SPECIFICATIONS

Location Technology

- > 50-channel GPS (with SBAS)
- > SBAS: WAAS, EGNOS, MSAS, GAGAN

Location Accuracy

- > 2.0 meter CEP (with SBAS)

Tracking Sensitivity

- > -162 dBm

Acquisition Sensitivity

- > -147 dBm

AGPS Capable

ELECTRICAL SPECIFICATIONS

Operating Voltage

- > 6-32 VDC

Power Consumption

- > 1 mA at 12 V (deep sleep)
- > 10 mA at 12 V (sleep on network)
- > 70 mA at 12 V (active standby)

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

CELLULAR SPECIFICATIONS

Data Support

- > SMS, GPRS

Cellular/PCS

- > FCC: Parts 22, 24; PTCRB

Quad-Band

- > 850, 900, 1800, 1900 MHz

COMPREHENSIVE I/O

Inputs

- > 2

Outputs

- > 1 relay driver (150 mA)

1-Wire® Interface

Status LEDs

- > GPS and cellular

PHYSICAL SPECIFICATIONS

Dimensions

- > 2.5 X 3.125 X 0.875", (63.5 X 80 X 23 mm)

Weight

- > 3 oz, (85 g) (internal)

ENVIRONMENTAL SPECIFICATIONS

Temperature

- > -30° to +75° C (operating)

- > -40° to +85° C (storage)

Humidity

- > 95% RH at 50°C non-condensing

Shock and Vibration

- > U.S. Military Standards 202G and 810F, SAE J1455

EMC/EMI

- > SAE J1113; FCC-Part 15B;
- > Industry Canada

RoHS Compliant

CONNECTORS

SIM Access

- > Internal

Connection Type

- > Molded power and I/O harness

MOUNTING

Standard tie-wrap or screw mount

RELIABLE MESSAGING

The AV110 logs up to 2,000 locations and alerts when a vehicle is outside of network coverage. That is almost 7 days worth of data.