



- **Highly sensitive and accurate position**
- **High Accuracy; standalone 3m CEP; Differential 1m CEP**
- **Fast Time to fix:**
  - Hot start <3s**
  - Warm start <32s**
  - Cold start <60s**
- **Ultra-low power <50mA operational**
- **External SMC connector for antenna**
- **NMEA serial output data**
- **Sealed to IP65**
- **-40°C to +85°C Operational temperature range.**

The AV123 is a highly accurate Global Positioning System (GPS). Housed in a rugged milled waterproof enclosure. The 12 channels receiver allows for continuous tracking of all visible satellites with a capability to provide a resolution of less than 3 meters.

NMEA information is directly fed to the connector which is via a configurable serial link. This also provides an accurate one pulse per second (1PPS) signal synchronized to Universal Time (UTC)

The unit operates with a very low operation current of less than 50mA and in sleep mode under 30µA. With its rugged aluminium case and filled with a potting compound the AV123 meets and exceeds IP65 specification.