



Earthmate® GPS LT-40

Technical Specifications

- NMEA-compliant 16-channel receiver
- WAAS-enabled (SBAS)
- Low-power baseband and RF chip set (RF chip based on the ultra-low-power silicon-germanium BiCMOS process)
- Cold start (avg.): 39 seconds
- Warm start (avg.): 34 seconds
- Hot start (avg.): < 3 seconds
- Supply requirements: 90mA (through USB connector)
- Maximum Velocity: 1000 knots
- Advanced high-sensitivity algorithms for superior tracking in urban environments
- Initial acquisition sensitivity down to -149dBm
- Weak signal tracking down to -159dBm
- Proprietary Kalman filter for enhanced position accuracy
- Superior noise rejection for high EMI environments
- STMicroelectronics new high-sensitivity chipset featuring DeLorme ConstantLock™ technologies for outstanding time-to-first-fix and signal-retention performance

Environmental Characteristics

- Operating temperature range -40° C to +85° C
- Storage temperature range -55° C to +100° C