

GPS 2001M



GPS Receiver with integrated Display & Keyboard. Stand alone system for use in Armoured Vehicles and Man Portable.

FEATURES

- Integrated GPS Receiver with Keyboard and Display
- Operating on Navstar Satellites Constellation for GPS
- LCD graphic display with backlighting and adjustable contrast
- Position in IGRS or Latitude/Longitude
- Altitude in Meters or Feet
- Distance in Km or Nm, Speed in Kmph or Knots
- Creation and storage of upto 250 way points, 26 Routes with 20 way points per route
- Creation of way points in terms of Range and Bearing from current position or any way point
- Storing of current position as way point
- Data stored in Flash memories
- Upload/Download user data between Receiver and PC
- Visual arrival alarm
- Built in Rechargeable Battery
- **Navigation Features**
 - Route Navigation & Direct to Navigation
 - Simulation of route and Direct to Navigation
 - Graphical Course Deviation Indicator (CDI)
 - Estimated Time of Arrival (ETA)
 - Estimated Time En route (ETE)
 - Cross Track Error (XTE)
- Selectable Datum
- Manual or auto leg switch over
- Rugged and robust for military applications

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SPECIFICATIONS

Receiver	Multi channel (8 or higher) L1, Frequency, C/A Code Tracks all satellites in view
Accuracy	30m without SA; 100m with SA Velocity : 0.5m/s
Acquisition time	About 60 seconds with warm start About 7 minutes with cold start
Position update rate	Once per second
Display	100x64 pixel graphic LCD display
Key board	13 keys, illuminated
Input Power	12 to 33V DC (<10W) External or 12V internal Battery
(Com. Link) Interface	2 x RS 232C Port
Antenna	
Type	Microstrip active antenna
Polarisation	Right hand circular
Frequency	1575 ± 10MHz
Gain	40 dB
Portable Antenna	Microstrip magnetic base antenna
Gain	27dB
Enclosure	Steel & aluminium alloy
Size	170 x 70 x 125 mm
Weight	< 2 Kg approx.
Operating temperature	-20°C to +70°C
Humidity	95% RH@ 40°C
Environmental	Designed to meet JSS 55555 requirements
EMI/EMC	Hardened as per MIL-STD-461C

*Due to continuous product development
ASL reserves right to amend or alter
specifications without notice.*

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