

GPS MARG-9801



A two module GPS Receiver with Combined Display Keyboard(CDU). Specially designed for Military Helicopters. CDU designed for D'zus mounting. Certified by CEMILAC

FEATURES

- Operating on Navstar Satellites Constellation for GPS
- Rugged and Robust for military use
- Tracks all satellites in view
- Designed to meet the environmental standards as per JSS 55555 / MIL-STD-810E
- Data stored in flash (NV) memory
- Quick mode selection through rotary switch
- Annunciator to show the mode of operation and message
- Position in Lat/Long or IGRS
- Emergency navigation to nearest way point
- Provision to store 250 way point and 26 routes with 20 way points in each
- Way point creation in terms of Range and Bearing, w.r.t current position or another way point
- Provision to store 10 current position
- ETA, TTG and Commanded ground speed
- Hardware ready for DGPS operation
- Visual arrival alarm
- Graphical Course Deviation Indicator (CDI)
- Access to Jeppesen data
- Data transfer from and to DEX or PC
- **Navigation Features**
 - Fly direct to a way point
 - Approach way point with a given angle and distance
 - Join leg
 - Vertical Navigation
 - Flight plan navigation
 - Fly to nearest (20 Nearest way point available in any category)

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SPECIFICATIONS

Receiver	8 channel or higher L1, Frequency, C/A Code Tracks all satellites in view
Accuracy	30m without SA; 100m with SA (PDOP <3) Velocity : 0.1m/s
Acquisition time	< 60 seconds - warm start < 7 minutes during cold start
Position update rate	Once per second
Display	3 line 16 character LED display. NVG compatible with brightness control
Keyboard	Membrane Key switches, back lit
Power	12 to 36V DC (<14W @ 28V)
Interface	1 x RS 232 / RS422
Antenna	
Type	Micro strip patch low profile
Polarisation	Right hand circular
Frequency	1575 ± 10MHz
LNA Gain	35 dB (Typ.)
Termination	TNC –F
Enclosure	Aluminium alloy as per IS:736
Size	Receiver – 235L x 130W x 58H (mm) CDU – 145W x 80D x 95H (mm)
Weight	Total < 2.5 Kg
Temperature	
Operating	- 40°C to +70°C
Storage	- 55°C to + 85°C
Humidity	95% RH
Environmental	As per MIL STD 810 E / JSS 55 555
EMI/EMC	As per MIL STD 461 C

AEROSPACE SYSTEMS PRIVATE LIMITED

"PRAGATHI", 70/1 MILLER ROAD
BANGALORE - 560 052, INDIA.

Tel : +91 (80) 225 8376, 225 6342

Fax : +91 (80) 220 3350

Email: aslmtg@blr.vsnl.net.in

Website: www.aslgps.com, www.asllabs.com

*Due to continuous product development
ASL reserves right to amend or alter
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