



TALIN 1000 **INS/GNSS** **NAVIGATOR**

Honeywell

TALIN 1000

INS/GNSS Navigator

Honeywell's TALIN 1000 is the newest addition to the TALIN family. It provides self-alignment capability with a 5-mil heading accuracy performance in GPS-denied environments for land navigation, positioning and pointing applications. It features low cost, size and weight, while relying on TALIN's leading inertial technology, navigation robustness, and high reliability.

TALIN 1000 incorporates Honeywell's next-generation ring laser gyro technology with our best-in-class accelerometers for unparalleled performance in the most demanding military and commercial environments without the need for secondary shock isolation.



SYSTEM CHARACTERISTICS

- Alignment/Initialization
 - On-the-move alignment
- Export Control
 - Not ITAR Controlled*
- Performance
 - 5 mil heading accuracy
- Efficient SWaP
 - Dimensions: 5.6H x 5.8W x 8.6L inches
 - Weight: <11 pounds (<5 kg)
 - Power: <20 W
- Interfaces
 - Ethernet & RS-422
- Embedded GPS Option
 - SAASM (P/Y Code) and Commercial (C/A Code) GPS receivers
- SAASM (P/Y Code) and Commercial (C/A Code) GPS Receivers
- GNSS Receiver
- MCODE GPS Receiver
- Reliability (TALIN Demonstrated)
 - MTBF > 50,000 hours
- Diagnostics
 - Supported by TALIN ACCESS Diagnostics tool
- Supports NMEA 0183.

*Excludes High-G variant. Standard Functional Shock Profile of 30 G for 18 ms half sine wave pulse. High-G Functional Shock Profile of 30 G for 11 ms half sine wave pulse.

APPLICATIONS

- Tactical Military Vehicles – Infantry Fighting Vehicles and Armored Personnel Carriers
- Secondary Safety Navigation System for Indirect Fire
- Mobile Radars – Towed and man-portable radars
- Commercial Applications – Maritime, Oil & Gas, Mining, Construction, Geological Survey

PERFORMANCE LEVEL	TALIN 1000
Horizontal Position	
INU/VMS (% of DT CEP)	0.7
INU Only (m CEP)	50
Vertical Position	
INU/VMS (% of DT CEP)	0.4
INU Only (m PE)	45
Heading Pointing Accuracy	
RMS (mils, $\pm 65^\circ$ Lat)	5
Sec Lat (mils)	3
Pitch/Roll Accuracy	
RMS (mils)	2

For more information

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