

AIN85

# ReINS

High-Accuracy Land  
Inertial Navigation System



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## High-Accuracy Land Inertial Navigation System

### GENERAL

The ReINS is a self-contained hybrid land navigation system (INS/GPS) which performs selfalignment and survey.

Thousands of systems have been fielded on platforms worldwide, including tanks, towed and self-propelled weapons, missile launchers, IFVs and high mobile radars. The ReINS can be software tailored to suit different types of platforms, with specific interface requirements.

### FEATURES

- Proved record of accuracy, and availability in a variety of applications
- Features a proprietary inertial error corrections algorithm using internal or external GPS, odometer, and ZUPT updates
- Functions as an independent and very accurate North Finder
- Short alignment time
- High reliability MTBF
- Compliance with MIL-D-70789A, MIL-PRF-71185
- Optional interface with external GNSS and anti-jam solution
- The system can be supplied with a dedicated display/user interface and Odometer

### SYSTEM CHARACTERISTICS

- Power per MIL-STD-1275 - 40 W max.
- Interfaces - FE, RS-422, RS-232
- Size - 296(L)x170(W)x158(H)mm
- Weight - 8.6 Kg
- Environmental - MIL-STD-810F, MIL-STD-461E qualified

### MODES OF OPERATION

- Align: Normal Align, Stored Heading, and Align on the move
- Navigation: INS/ODO, INS/ODO/GPS, INS only
- Laying



### PARAMETER

<b>HEADING [RMS]</b>	1 mrad
<b>HORIZONTAL POSITION [CEP]</b>	0.2 % DT
<b>PITCH &amp; ROLL [RMS]</b>	<0.5 mrad