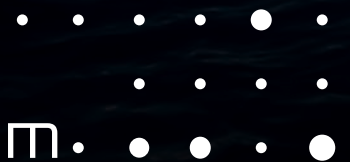




TMANS

High Accuracy Naval INS/GPS System.





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GENERAL

IAI's TAMAM Division specializes in the development and manufacturing of inertial sensors and inertial navigation systems. TAMAM is one of the world's leading inertial design and manufacturing centers. TAMAM is also considered a national center of excellence in its field. Building on its heritage, TAMAM provides its customers with the most accurate, up-to-date and cost effective inertial based PNT solutions.

TMANS is a self contained highly accurate maritime inertial navigation system (INS/GPS). The TMANS is designed as the main or stand-by navigation system on board a variety of naval vessels such as frigates, corvettes, missile patrol boats, offshore patrol vessels and submarines.

HIGHLIGHTS

- Based on IAI's inertial sensors (RLG and accelerometers)
- Full operation in GPS-denied conditions
- Several accuracy grades
- Integrated with the vessel aiding devices such as: GNSS, DVL, ships speed log, sonars and more
- ITAR free

PARAMETERS

Heading at dockside	0.3° to 0.06°
Heading free inertial (1σ)	0.05°/Hr to 0.01°/Hr
Horizontal position DVL aided (1σ)	1Nm/2Hr to 1Nm/8Hr

CHARACTERISTICS

Weight	8.6 kg
Dimensions	300mm (L) x 147mm (W) x 158mm (H)
Inertial technology	Ring Laser Gyro & Torque to Balance ACC
Interfaces	Fast Ethernet, RS-422/RS-232 Serial
Environmental conditions	MIL-STD-810F and MIL-STD-461E

08.26



TAMAM DIVISION
IAI-MTH-SMS@IAI.CO.IL
WWW.IAI.CO.IL