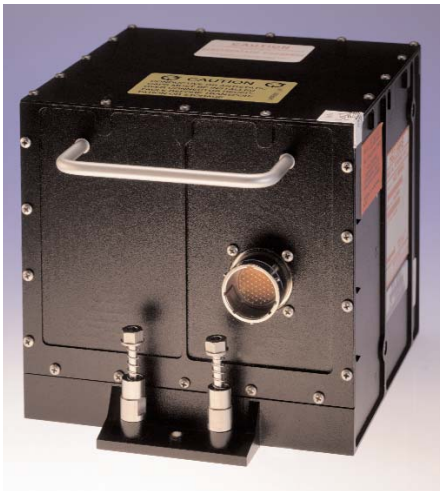




**Fully automatic operation  
in the smallest, lightest and  
lowest-power IRS in the industry**

# Laseref V Micro Inertial Reference System



Honeywell's Laseref V micro inertial reference system (IRS) has been designed to simplify pilot workload while dramatically reducing installation time, weight, size, power, and cost. This revolutionary design is based on flawless service from more than 200,000 ring laser gyros and 37,000 commercial inertial reference systems in service around the world.

## Find Out More

For more information on Honeywell's Laseref V micro inertial reference system, contact:

## Honeywell Aerospace

1944 E Sky Harbor Circle  
Phoenix, AZ 85234  
Domestic: 1.800.601.3099  
International: 1.602.365.3099  
www.honeywell.com

## Advanced features:

- One-half the size, one-third the weight, one-third the power of competing systems
- Electronic mounting tray alignment reduces installation cost and increases accuracy
- Automatic mode control logic and automatic initialization for reduced crew workload and elimination of mode select unit
- GPS integration allows for inertial alignment in motion and even dispatch prior to nav mode. This revolutionary feature eliminates delays while waiting for the IRS to align.
- Passive cooling eliminates the weight and cost of cooling fans and ARINC mounting trays
- Enhanced automatic realignment uses GPS to refine alignment between flights
- HIGH integrity hybrid inertial GPS provides 100-percent availability of RNP navigation and eliminates predictive RAIM for GPS non-precision approach

## Laseref V characteristics:

Attitude:	0.1 degree
Heading:	0.4 degree
Position (inertial):	2 NMPH
Position (hybrid):	25 Meters
Hybrid position coasting performance:	>20 minutes @ RNP 0.3 NM
Velocity (inertial):	8 knots
Velocity (hybrid):	0.25 knots
Software certification:	DO-178B Level A
Hardware certification:	DO-160D
Technical standard order (TSO):	C4c, C5e, C6d, C129a
Reliability:	25,000 hours MTBF
Interfaces:	ARINC-429 I/O
Mounting tray:	0.5 lbs
Size:	6.5" x 6.4" x 6.4"
Weight:	9.8 lbs
Power (typical):	20 watts
Cooling:	Passive
Accelerometer sensor technology:	Quartz
Gyro sensor technology:	Digital ring laser

*Accuracy two sigma or 95%*

# Honeywell

