# **ARGO 500**

Super Attitude and Heading Reference System



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The **ARGO 500** is the most modern solid-state Fiber Optic Gyros based Inertial Platform with an optimized SWaP-C (Size, Weight, Power and Cost) solution for next generation aircraft Fly By Wire (FBW) flight control.

**ARGO 500** represents a scalable solution for Navigation to Stabilization dual-use applications from Urban Air Mobility and Helicopters to Fast Jets Aircraft.



CHARACTERISTICS	ARGO 510 ( S-AHRS gyrocompass )	ARGO 520 ( AHRS/IMU )
True Heading (95%)	1	N.A.
Roll/Pitch (95%)	0.1	0.8
Position (95%)	1nm/15min	N.A.
Alignment time (data availability)	5 mins	30 sec
Alignment time (full accuracy)	Mag Sensor, TAS, GNSS (optional)	Mag Sensor, TAS
Aiding source	Mag Sensor, TAS, GNSS (optional)	Mag Sensor, TAS
SW/HW Compliance	DO-178C, DO-254	DO-178C, DO-254

#### SYSTEM CHARACTERISTICS

#### **Interfaces**

RS422/RS232 ARINC429 Ethernet

Data output rate: up to 500 Hz

#### **Environmental and Reliability**

Operating Temperature: -40°C to +71°C Not-operating Temperature: -55°C to +85°C Altitude: up to 50,000 ft

EMC/EMI: *DO-160G* 

Vibration: sinusoidal 5-150 Hz random 10-2000 Hz (DO-160G)

MTBF: > 25000 hours

#### **Dimensions**

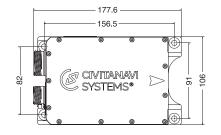
WxHxD: 106x126x178

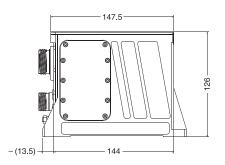
#### Weight

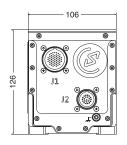
2.5 Kg

#### **Power requirements**

28VDC (18-36VDC): <15 W (configuration dependent)









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