



APIRS

THE SAFEST ATTITUDE AND HEADING
REFERENCE SYSTEM

- 14,000 APIRS already deployed worldwide
- With the highest level of safety insurance
- For the most demanding aircraft, helicopters & UAVs
- 100% in-house technologies

APIRS

The safest Attitude and Heading Reference System

As the first link in the chain of integrated flight control systems, sensors collect the aircraft's positioning data along three axes: roll, pitch and heading.

Combining millions of flight hours and the highest performance Directional Gyro Mode, this reliable and precise input data for the automatic pilot computer and displays enables safe flight control movement with the best SWaP-C (Size, Weight, Power & Cost) optimization.

Available in several versions (with a flux valve for airplane version and a magnetometer for helicopter version), the Aircraft Piloting Inertial Reference System (APIRS) associates reliability, ease of use and solid state strapped-down.

The APIRS attitude and heading reference units use the most modern inertial technology to improve all flight operations.



| Characteristics | APIRS |
|------------------------------|--|
| Size | < 2,2 liters |
| Weight | < 2 kg |
| Power | < 20 W with 2x28VDC |
| MTBF | > 20,000 h |
| Environment | DO160 |
| Development level | Level A for DO178B & DO254 |
| Performances & Certification | ETSO / TSO C3d, C4c, C5e, C5f, C6d / C201 (A3 for attitudes, H2 for gyromagnetic heading, H8 for DG heading) / GNSS Hyb (Optional) |
| Interfaces | ARINC-429 / Discretes / RS high speed |

> ACCURACY & INTEGRITY

Guaranteed by the quality of sensors and algorithms

> ROBUSTNESS & RELIABILITY

Guaranteed by mature innovations

> EASY TO INTEGRATE

Guaranteed by the optimization of the Size, Weight, Power & Cost

> EASY TO EXPORT

Guaranteed by European technologies

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