



SIGMA 95N

HIGH-GRADE INERTIAL & HYBRIDIZED NAVIGATION SYSTEM

- Modular & versatile interfaces
- Suited for the most demanding missions
- 100% in-house technologies
- Combat proven

SIGMA 95N

High-grade inertial & hybridized navigation system

Designed for advanced military fighters, helicopters and tactical transport aircraft, SIGMA 95N provides high-grade navigation performance, accuracy and flexibility.

Based on Safran's expertise in inertial sensors, navigation and electronics integration, SIGMA 95N incorporates highly accurate 32 cm digital Ring Laser Gyros.

Using a powerful multimode Kalman filter, SIGMA 95N optimizes the alignment and navigation capabilities, from stationary to moving conditions, either on land, on aircraft carrier deck or in flight. Thanks to its versatile interfaces and open architecture, SIGMA 95N can integrate all available sensors (GPS, Glonass, air data system, etc.).

Highly modular, SIGMA 95N combines all the advantages of a Size Weight & Power optimized hybrid inertial navigation system in a single LRU.

Easy to maintain and highly reliable, SIGMA 95N ensures the aircraft availability for the most demanding missions. Operational, Intermediate or Depot level maintenance could be available.



Characteristics	SIGMA 95N
Size	16 liters
Weight	15 kg
Power	< 45 W (Option 115 VAC)
MTBF	> 5,000 h
Environment	MIL-STD-810 / MIL-STD-461 standards
Performances	Pure inertial mode: <ul style="list-style-type: none">• Position: < 0.5 Nm/h• Velocity: < 0.7 m/s• Roll, pitch: < 0.03°• Heading: < 0.05° Hybrid mode: <ul style="list-style-type: none">• Position accuracy (CEP): < 10m
Interfaces	<ul style="list-style-type: none">• MIL-STD-1553 bus• RS 422• ARINC 429 (optional)• Analog and synchro (optional)

> ACCURACY & INTEGRITY

Guaranteed by the quality of sensors and algorithms

> ROBUSTNESS & RELIABILITY

Guaranteed by mature design

> EASY TO INTEGRATE

Guaranteed modularity and versatile I/O

> EASY TO EXPORT

Guaranteed by European technologies

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