

ELECTRONICS & DEFENSE



SIGMA 95L

COMPACT INERTIAL & HYBRIDIZED NAVIGATION SYSTEM

- Modular & versatile interfaces
- High density of performances
- 100% in-house technologies
- Combat proven

SIGMA 95L

Compact inertial & hybridized navigation system

Designed for constraint military helicopters, tactical aircraft and UAVs, SIGMA 95L provides high density of navigation performance, accuracy and flexibility.

Based on Safran's expertise in inertial sensors, navigation, and electronics integration SIGMA 95L incorporates highly accurate 16 cm digital Ring Laser Gyros.

Using a powerful multimode Kalman filter, SIGMA 95L 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 95L can integrate all available sensors (GPS, Glonass, air data system, etc.).

Highly modular, SIGMA 95L 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 95L ensures the aircraft availability for the most demanding missions.



Characteristics	SIGMA 95L
Size	6.3 liters
Weight	8.5 kg
Power	< 35 W
MTBF	> 5,000 h
Environment	MIL-STD-810 / MIL-STD-461 standards
Performances	Pure inertial mode: <ul style="list-style-type: none">• Position: < 0.8 Nm/h• Velocity: < 1 m/s• Roll, pitch: 0.05°• Heading: < 0.1° 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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