



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.



INERTIAL PERFORMANCES
< 0.8 NM/H



COMPACT, MODULAR & VERSATILE
INTERFACES



COMBAT PROVEN



ITAR FREE



Safran Electronics & Defense is with you every step of the way, building in the intelligence that gives you a critical advantage in observation, decision-making and guidance.

Technical specifications

With its optimal performance/mass trade-off, Sigma 95L inertial navigation system combines all the advantages of a Size Weight & Power optimized hybrid inertial navigation system in a compact LRU.

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 also integrate all available sensors (GPS, Glonass, air data system, etc.).

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: • Position: < 0.8 Nm/h • Velocity: < 0.5 m/s • Roll, pitch: 0.05° • Heading: < 0.1° Hybrid mode: • Position accuracy (CEP): < 10 m
INTERFACES	• MIL-STD-1553 bus • RS 422

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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