



SIGMA 30

ARTILLERY POINTING & POSITIONING SYSTEM

- Pinpointing for precision strikes
- Extreme firing shocks resistance design
- Outstanding positioning accuracy
- Combat proven

SIGMA 30

Artillery pointing & positioning system



Capitalizing on Safran Electronics & Defense's 70-year experience in inertial technologies, the Sigma 30 family is a straightforward solution for the most demanding artillery systems such as howitzers (towed, tracked, truck mounted), multiple rocket launchers, mortars and light guns. Thanks to its high dynamic pointing accuracy, Sigma 30 is also perfectly suited for the latest generation of mobile radars.

With its comfortable mechanical design margins, Sigma 30 is fully resistant to shocks and can be hard-mounted on the weapon for an optimal pointing precision.

Designed for time sensitive missions in the most constrained operational environments (jammed, spoofed or denied GPS), the Sigma 30 family provides:

- A full range of pointing accuracies from 2 mils to 0.4 mils to meet all system requirements
- Static gyrocompass in less than 2 minutes
- On-the-move alignment without GPS
- Autonomous navigation without GPS
- Shoot and Scoot capability
- MRSI (Multiple Rounds Simultaneous Impact) capability

Performances	SIGMA 30-300	SIGMA 30-400	SIGMA 30-500	SIGMA 30-600	SIGMA 30-700	SIGMA 30-800
HEADING (RMS)	2 mils	1 mils	1 mils	0.9 mils	0.6 mils	0.4 mils
ROLL & PITCH (RMS)	1 mils	0.5 mils	0.5 mils	0.35 mils	0.2 mils	0.2 mils
HORIZONTAL POSITION (CEP)	0.25% DT	0.2% DT	0.1% DT	0.05% DT	0.05% DT	0.05% DT
VERTICAL POSITION (EP)	0.2% DT	0.15% DT	0.05% DT	0.02% DT	0.02% DT	0.02% DT

DT: Distance Travelled

Technical specifications

Dimensions

- 343 x 247 x 262 mm

Power supply

- 18-32V- less than 30w

Environments

- Full MIL-STD qualified

Interfaces

- RS422 – RS232
- CANBUS (option)

European in-house technology

- Shortest alignment phase
- Easy system integration
- High reliability



Safran Electronics & Defense
 Arcs de Seine – 18/20 quai du Point du Jour - 92659 Boulogne-Billancourt Cedex - France
 Tel.: + 33 1 55 60 39 96 - Fax: + 33 1 55 60 38 95
safran-electronics-defense.com

