



Nano Seat Controller

Save Weight and Space While Controlling More in Your Aircraft Seat

Compact with Full Options Inside

The Astronics PGA Nano Seat Controller (NSC) comes with everything you need to drive one seat with an integrated lumbar unit. Make your electrical system modular and scalable to any seat LOPA for any aircraft.

The NSC provides advanced maintenance functions such as internal memory for log events and a display on the front for viewing error codes.

2-in-1: Controller and Pneumatic Unit in a Single Box

The NSC includes the lumbar unit function in the standard lumbar unit box. With the NSC, you can reduce the number of boxes installed in

your seats to save weight, cost, and technical complexity.

A Modular Architecture Adapts to any Layout

The NSC serves as the brain of the nano architecture. The companion Astronics PGA Master Power Supply (MPS) powers up to 4 seats, with a single NSC to drive them.

Both the MPS and the NSC are the very first motion power supply and controller used and certified on the A350.

Advanced Maintenance Capacity for Easy Diagnostic and Replacement

Astronics NSC includes the capability of logging events to record everything happening in the system. Perform predictive

KEY BENEFITS

- Designed and compliant with the latest Airbus and Boeing requirements including A350 & 787/777X
- Compliant with EMI requirements (MEF) with non-shielded cables
- 1 NSC for each seat with embedded massage feature for the same size than standard lumbar unit
- Mature design and proven reliability
- Integrated smart BITE
- Health report & easy reading with 4-digit display
- Managed by Carat® Easy Monitoring Solution

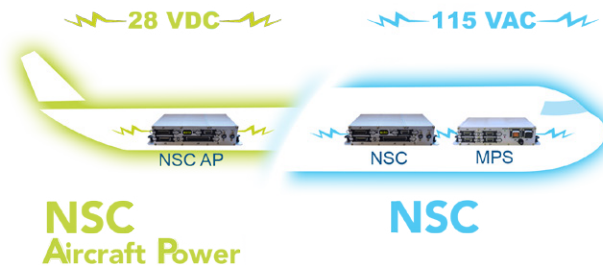
maintenance to replace faulty parts before the seats become inoperative in aircraft.

With the companion Carat® Easy Monitoring Solution from Astronics PGA, monitor your entire seat electrical system.



Available in 28 VDC Certified Aircraft Power

The NSC also comes in a version for 28 VDC aircraft power, making it easy to use it directly without additional boxes in aircraft like the business jets from Dassault or Embraer. In the same size package as the standard NSC, NSC-Aircraft Power (NSC-AP) is a convenient option for these aircraft types.



Get Started Today

For additional details, please contact Astronics PGA.

Europe

ZI La Malterie
Avenue Jean Monnet
36130 Montierchaume - France
+33 254 079 090
sales@pga-avionics.com

USA

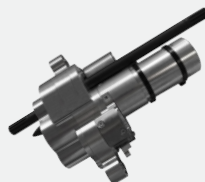
12950 Willows Road
Kirkland, WA 98034
+1.425.881.1700
sales.US@pga-avionics.com
astronics.com/pga



PRODUCT SPECIFICATIONS

- **Mechanical (approx)**
 - 8 W x 4.94 D x 2 H (")
 - 204 W x 124 D x 52 H (mm)
 - 2.5 lbs (1.15 kg)
- **Compliant to Airbus** 2520M1F001200 Issue 4 & **Boeing** D6-36440 Rev G compliant
- **MTBF** > 250,000 FH
- Advanced diagnostic and detailed failure detection
- Easy software update by customer
- Kill switch to power off just the actuators while leaving other devices, such as lighting, operational

RELATED PRODUCTS



Actuators



Easy Monitoring Solution



Master Power Supply

PGA Electronic is committed to quality and is EN9100 and ISO 9001 registered. Carat® is a registered trademark of PGA Electronic.

