

SA4550 4/5-ATI High-Definition Primary Attitude Display



The Perfect Attitude Solution

The ideal complement to Sandel's high-definition SN4500 Primary Navigation Display, the new SA4550 Primary Attitude Display is the perfect update for aging electromechanical ADIs.

Featuring an ultra-wide viewing angle (180 degrees in both the horizontal and vertical axes), the SA4550 boasts an MTBF in excess of 10,000 hours. With Sandel's patented LED display technology generating a resolution of 200 pixels per inch — unmatched in the industry for brightness, clarity, readability and color fidelity — you'll find the SA4550 completely transforms your panel. Reliable, affordable and backed by Sandel's award-winning product support, the SA4550 is ideal for corporate and air transport aircraft.

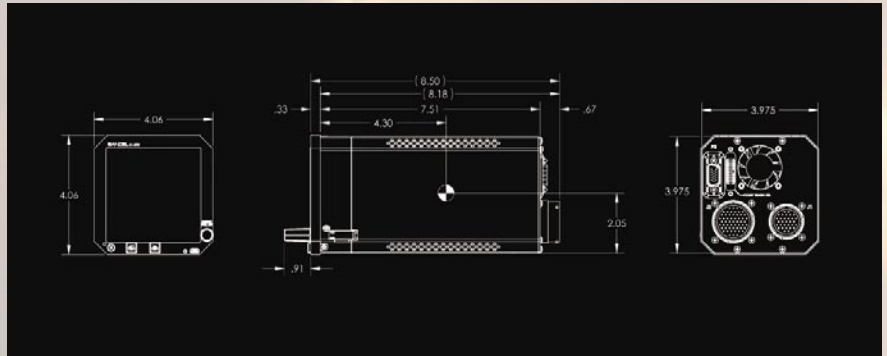
Simply by adding DC power, the SA4550's built-in custom I/O enables it to interface with aircraft avionics using existing wiring harnesses. Other features include:

- Flight director command bars, pilot-configurable for toggling between single- and dual-cue presentation
- Glideslope and Localizer
- Fast/Slow
- Radar Altitude
- Radar Altitude minimum/decision height setting
- Electronic slip/skid driven by internal accelerometer
- Attitude comparator system interface
- On-screen annunciators



Drawing from our experience with thousands of compact integrated displays in service, we designed the SA4550 to do what no others can: Replace your electromechanical ADI with a modular electronic unit.

This allows you to update your panel with minimum disruption to your aircraft. And by saving on both acquisition and installation costs, the SA4550 is a cost-effective way to enhance both the operational and the residual value of your aircraft or fleet.



Weight

SA4550
Bracket & Connectors

Dimensions

Length

Body
Bezel

Power Requirements

Cooling Requirements

Mounting

Operating Environment

Certification Basis

Interfaces

Attitude
Attitude Comparator
Flight Director
Glideslope/LOC
Fast/Slow
Radar Altimeter
Annunciators

SPECIFICATIONS

3.4 lbs (1.54 kg)
0.5 lbs (0.23 kg)

7.81 in. (19.84 cm) from back of bezel (Sperry AD-550 retrofit version)
7.51 in. (19.08 cm) from back of bezel (Sperry AD-600 and AD-650 retrofit versions)
3.970 in. x 3.970 in. (10.084 cm x 10.084 cm)
4.060 in. x 4.060 in. (10.312 cm x 10.312 cm)

20-33 VDC

28 VDC @ 1.4A (40W) nominal

Internal fan requiring ambient air at fan input

Standard 4-ATI panel cutout with clamp and Sperry compatible connectors

Bezel adapters available for mounting in 4x5 and 5x5 panel cutouts

-20 C. to +70 C. (-50 C. on special order)

+55,000 ft. max. altitude

TSO-C113, Airborne Multipurpose Electronic Displays

TSO-C3d, Turn and Slip Instruments

TSO-C4c, Bank and Pitch Instruments

TSO-C34e, ILS Glide Slope Receiving Equipment

TSO-C36e, Airborne ILS Localizer Receiving Equipment

TSO-C52b, Flight Director Equipment

DO-160E, Env. Cat. [A2F1Z]BBB[HR]XYXXXXZZAZ[ZW][YY]M[A3G33]XXAX

DO-178B, Software, Attitude Level A, Guidance and Annunciators Level C

DO-254, Hardware, Attitude Level A, Guidance and Annunciators Level C

Remote XYZ synchro (ARINC 407) for pitch and roll

Analog

Analog

Analog

Analog

ARINC 552, Sperry and Collins

Discrete

Specifications subject to change without notice.

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