

SN4500 4-ATI PRIMARY NAVIGATION DISPLAY



Offering modular convenience and flexibility, Sandel's SN4500 Primary Navigation Display is the standard in NAV displays. Incorporating patented LED backlight technology, the SN4500 is an ideal replacement for aging 4-in. and 5-in. electromechanical HSIs. It gives your cockpit unmatched resolution, unbelievable color, and a state-of-the-art technology update.

The SN4500 boasts a MTBF greater than of 10,000 hours. With Sandel's patented display engine generating a resolution of 200 pixels per inch—unmatched in the industry for brightness clarity, readability and color fidelity—you'll find the SN4500 transforms your panel as it gives you a better view of the airspace around you.

See what's next

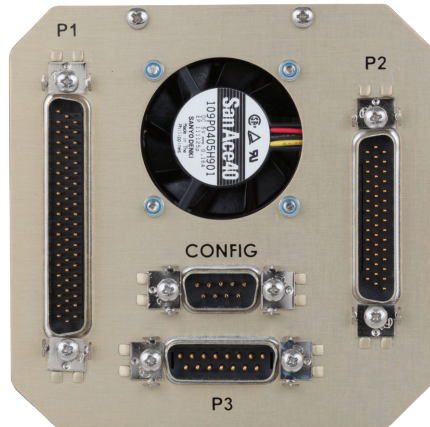
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SN4500 4-ATI PRIMARY NAVIGATION DISPLAY

The SN4500 improves situational awareness by presenting Compass, Map, Flight Plan, and safety systems data in a bright, high-resolution format. FAA-certified as a primary navigation display, the SN4500 even incorporates overlaid weather, along with traffic information from TCAS, TCAD & TAS receivers, to maximize situational awareness.



Reversionary 'Standby' Attitude Mode



Dimensions and specifications subject to change without notice.

Weight	SN4500	3.5 lb. (1.59 kg)
Bracket & Connectors		0.5 lb (0.23 kg)
Dimensions		
Length		(with bezel): 9.77 in (24.82 cm) 9.45 in (24.00 cm) from panel to back of unit
Body		3.975 in x 3.975 in (10.10 cm x 10.10 cm)
Bezel		4.060 in x 4.060 in (10.312 cm x 10.312 cm)
Display		LED Backlit
NVIS Mode		Option Class B compatible per MIL-STD-3009
Power Requirements		22-33 VDC 28 VDC @ 1.4A nominal (40W)
Cooling Requirements		Internal fan requiring ambient air at fan input
Mounting		Standard 4-ATI panel cutout with clamp and Positronic® connectors Bezel adapters available for mounting in 4x5 and 5x5 panel cutouts
Operating Environment		-20° C. to +70° C. +55,000 ft. max altitude
Certification Basis		TSO C113, Airborne Multipurpose Electronic Displays, and TSO C6d, C34e, C35d, C36e, C40c, C41d, C118 EASA ETSO, 2C34F, 2C35d, 2C36F, 2C40c, 2C41d, C113, C118, C119b, C6d DO-160E Env. Cat. [(A2)(F1)Z]BAB[HR]XXXXXXZBABBC[WW] M[XXE2F2X]XXAX DO-178B, Software Level C DO-254, Hardware Level C
Interfaces		
Heading		Bi-phase stepper (Mid-Continent 4305 & KG102) XYZ synchro (ARINC 407) ARINC 429
Flux Gate		400-Hz XYZ 3-wire interface with external excitation (if required)
NAV		Analog and ARINC 429
DME		2 King serial or ARINC 568 digital (e.g. DME40) 1 Analog DME input (40 mV/nm)
ADF		SIN/COS, Synchro and ARINC 429
GPS		ARINC 429, RS-232 and RS-422
Compisite NAV		2 ARINC 0.5V inputs, Internal NAV Converter
Marker Beacons		3 discrete inputs
Switch/Annunciators		Discrete and ARINC 429
Lightning Detection		WX-500 Stormscope®
Traffic (option)		ARINC 429 (TAS, TCAD, TCAS I and TCAS II)
Weather (option)		RS-232 datalink weather
TACAN (option)		ARINC 429, 419, XYZ

