

# SN3500 3-ATI PRIMARY NAVIGATION DISPLAY



The SN3500 Electronic HSI offers advanced navigation capabilities with an ultra-wide-angle display. Incorporating the equivalent of a four-inch screen in a three-inch instrument, the SN3500 improves situational awareness by presenting Compass, Map, Flight Plan and RMI data in a bright, easy-to-read format.

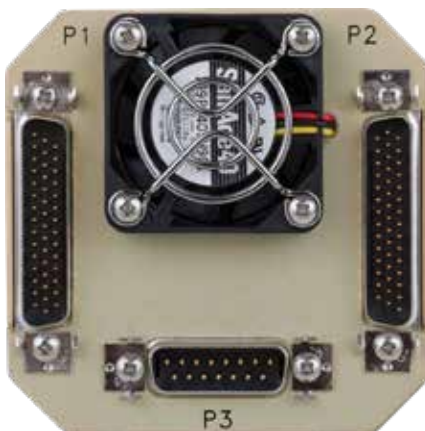
FAA-certified as a primary flight display, the SN3500 can show local traffic data from TCAS, TCAD and TAS receivers or ADS-B In, TIS-B Traffic, and FIS-B Weather from ADS-B receivers.

# SN3500 3-ATI PRIMARY NAVIGATION DISPLAY

The SN3500 system offers even greater capability, through its expandable Input/Output. Enabling the system to work with almost every aircraft type and configuration, this built-in module supports both analog and digital avionics systems, saving on installation time and cost, and ensuring that all your navigation sensors are properly utilized.



Reversionary 'Standby' Attitude Mode



Dimensions and specifications subject to change without notice.

<b>Weight</b>	<b>SN3500</b>	2.9 lb (1.3 kg)
<b>Bracket &amp; Connectors</b>		0.5 lb. (0.23 kg)
<b>Dimensions</b>		
<b>Length</b>		(with bezel): 10.15 in (25.78 cm) 9.80 in (24.89 cm) from panel to back of unit.
<b>Body</b>		3.165 in x 3.165 in (8.04 cm x 8.04 cm)
<b>Bezel</b>		3.285 in x 3.285 in (8.344 cm x 8.344 cm)
<b>Display</b>		LED Backlit
<b>NVIS Mode</b>		Class B compatible per MIL-STD-3009
<b>Power Requirements</b>		11-33 VDC 27.5 VDC @ 1.2A (33W) nominal
<b>Cooling Requirements</b>		Internal fan requiring ambient air at fan input
<b>Mounting</b>		Standard 3-ATI panel cutout with clamp and Positronic® connectors.
<b>Operating Environment</b>		-20 C. to +70 C. +55,000 ft. max. altitude
<b>Certification Basis</b>		TSO-C113, Airborne Multipurpose Electronic Displays C3d, C4c, C6d, C34e, C35d, C36e, C40c, C41d, C118, C119b EASA ESTO, C113 DO-160D, Env. Cat – [A2F1Z]BBB[H(R)R(BB1G)]XXXXXXZBABB[C][WW] M[XXE2F2X]XXAX DO-178B, Software Level C
<b>Interfaces</b>		
<b>Heading</b>		Bi-phase stepper (Mid-Continent 4305 & KG102) XYZ synchro (ARINC 407) ARINC 429
<b>Flux Gate</b>		Standard 400-Hz XYZ 3-wire interface with external excitation
<b>NAV</b>		Analog and ARINC 429
<b>DME</b>		2 King serial or ARINC 568 digital (e.g. KN62/64, KN63) 1 Analog DME input (40 mV/nm)
<b>ADF</b>		SIN/COS, Synchro and ARINC 429
<b>GPS</b>		ARINC 429, RS-232 and RS-422
<b>Composite NAV</b>		2 ARINC 0.5V inputs, Internal NAV Converter
<b>Marker Beacons</b>		3 discrete inputs
<b>Switch/Annunciators</b>		Discrete and ARINC 429
<b>Lightning Detection</b>		WX-500 Stormscope®
<b>Options</b>		Traffic (option) ARINC 429 (TAS, TCAD, TCAS I and TCAS II), ADS-B In TIS-B Traffic Weather (option) ADS-B In FIS-B Weather TACAN (option) ARINC 429, 419, XYZ

