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 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.
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.

### 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)

### Weight
- **SN4500**: 3.5 lb. (1.59 kg)
- **Bracket & Connectors**: 0.5 lb (0.23 kg)

### Power Requirements
- **22-33 VDC
- **28 VDC @ 1.4A nominal (40W)**

### Environmental Requirements
- **-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)ZBAB|HR]XXXXXZABBBC|WW]
- M[XXE2F2X]XXAX
- DO-178B, Software Level C
- DO-254, Hardware Level C

### Interfaces
- **Heading**: Bi-phase stepper (Mid-Continent 4305 & KG102)
- **NAV**: XYZ synchro (ARINC 407)
- **DME**: ARINC 429
- **ADF**: Analog and ARINC 429
- **GPS**: 2 King serial or ARINC 568 digital (e.g. DME40)
- **Composit NAV**: 1 Analog DME input (40 mV/nm)
- **Marker Beacons**: SIN/COS, Synchro and ARINC 429
- **Switch/Annunciators**: ARINC 429, RS-232 and RS-422
- **Lightning Detection**: WX-500 Stormscope®
- **Traffic (option)**: ARINC 429 (TAS, TCAD, TCAS I and TCAS II)
- **Weather (option)**: ARINC 429, 419, XYZ

Dimensions and specifications subject to change without notice.