

A Network-Friendly Choice!

Having set the standard for performance with our highly acclaimed NMEA 0183 Smart™ Sensors, Airmar has now developed a full array of Smart™ Sensors for NMEA 2000® networks. They are

> designed to accommodate any hull type and all vessel configurations.

With embedded microelectronics, the transducer element and signal processor are only millimeters apart. Depth signals are processed right inside the sensor for improved performance in deeper water as well as accurate minimum depth readings of 0.5 meters (1.6 feet).

Operating at 235 kHz, the NMEA 2000® Smart[™] Sensors can be added to any navigational system with other fishfinding transducers on board. Additionally, our new, patented Intelligent Speed processor provides stable and linear speed readings

from 1 to 50 knots. A fast response temperature sensor completes the package. Easy to install and connect to an NMEA 2000® network, our sensors are the Smart choice.





128259 Speed (Speed Water Referenced)

128267 Water Depth (Water Depth, Transducer)

128275 Distance Log

130310 **Environmental Parameters** (Water Temperature)

59392 ISO Acknowledgment

60928 ISO Address Claim

126208 Acknowledge Group **Function**

126464 Transmit PGN List **Group Function**

126464 Received PGN List **Group Function**

126996 **Product Information**





NMEA 2000[®] Smart[™] Sensors Technical Information

Specifications

Product:	Frequencies:	Number of Elements & Configuration	Beam Width: (@-3dB)
DST800	235kHz-F		10°x44°
P39	235kHz-B		11°
P79	235kHz-D		6°

DST800: Weight: Plastic: 0.9 kg (5.5 lb.) Bronze: 1.6 kg (3.5 lb.)

Stainless Steel: 1.9 kg (4.2 lb.)

P79: Hull Deadrise Angle: Up to 22°

P39:

Hull Deadrise Angle: ...0° to 22°

Transom Angle:0° to 22°

Minimum sounding depth .0.5 m (1.6')

Maximum sounding depth@ 235 kHz70 m (230') DST800

100m (330') P39 100m (330') P79

Pressure rating .3 m (10')

Pulse Rate .20,000 p/nm* (5.6 Hz/knot)

* p/nm= pulses per nautical mile

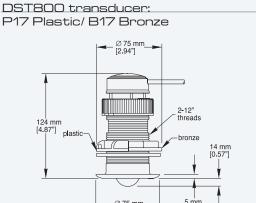
Smart Sensor Supply Voltage

@ 100% sound power output

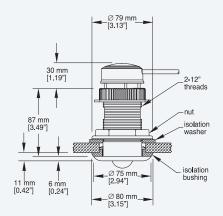
Supply current

Dimensions

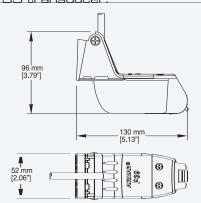




DST800 transducer: SS577 Stainless Steel



P39 transducer:



P79 transducer

