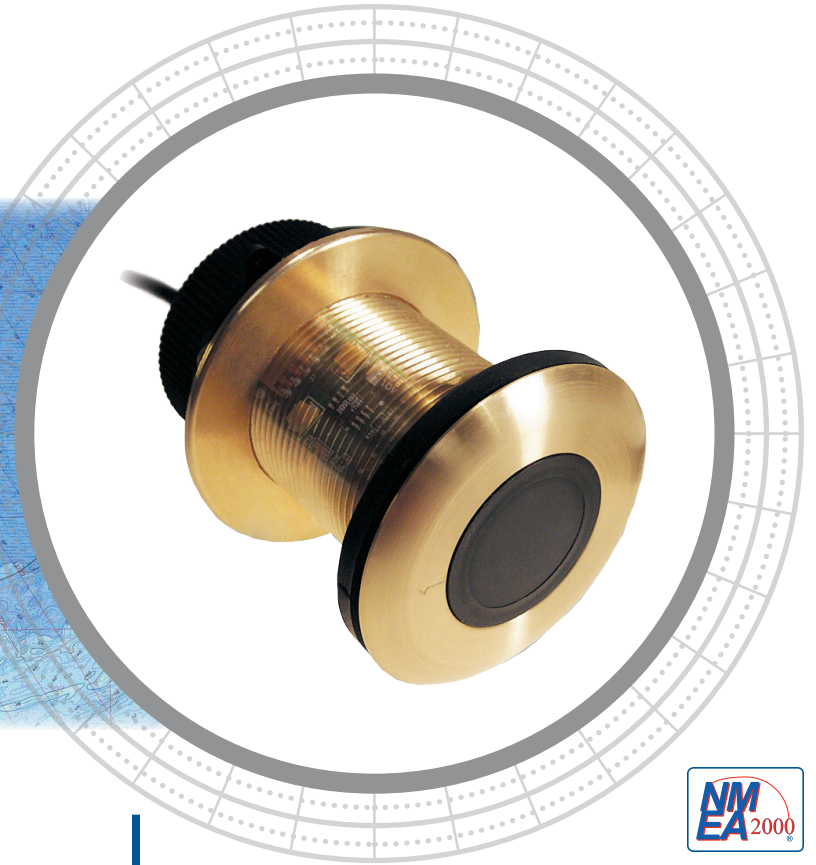
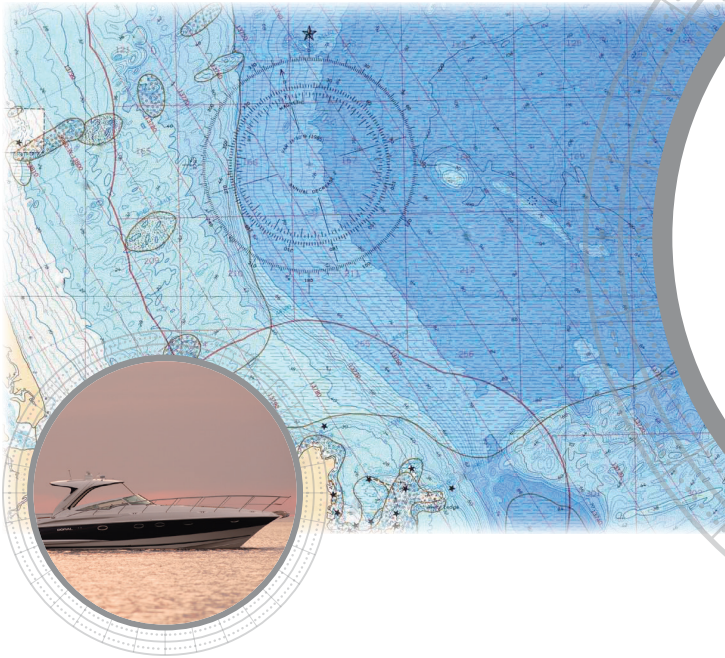


D800 DT800



The Smart Alternative!

AirMar's D800 and DT800 Smart™ Sensors feature embedded micro-electronics. Depth and temperature signals are processed inside the sensor and can be displayed on any radar, chart plotter, or device that accepts NMEA 0183 or NMEA 2000® data. The 235 kHz frequency prevents mutual interference with other echosounders on the vessel.

Angle for Results

The DT800 Tilted Element Transducer's low-profile housing compensates for hull deadrise. The unique design tilts the ceramic element inside the transducer housing—giving all the advantages of a fairing block without a hull protrusion. Designed with AirMar's exclusive Broadband Ceramic Technology, the 235 kHz element improves resolution without sacrificing sensitivity. The higher power rating 100 W RMS provides spot-on depth readings in as little as 0.5 m (1.6') of water and can reach depths up to 180 m (600').

Tilted Element™ Thru-Hull Smart™ Sensors

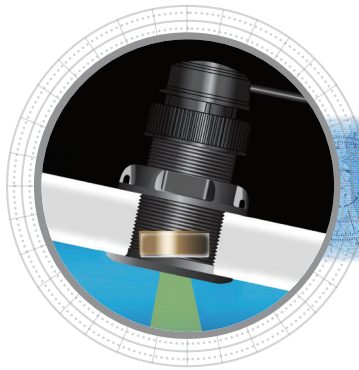
Features

- Tilted-Element Broadband-Ceramic versions available in a 0° or 12° or 20° tilt
- Available in NMEA 0183 and NMEA 2000® versions
- 235 kHz frequency prevents mutual interference with other echosounders on the vessel
- Temperature sensor in DT800 models
- Cable lengths up to 100 m (330') are possible with no loss of performance—NMEA 0183 only
- Plastic, bronze, or stainless steel housings available
- Retractable housing with water valve
- Available in low-profile, countersunk, or beveled-edge housings



Sensing Technology

www.airmar.com



D800, DT800

Technical Information

235 kHz Non-Broadband / Broadband

Number of Elements and Configuration		
Beamwidth (@-3 dB)	12°	
RMS Power (W)	60 W	100 W

SPECIFICATIONS

Weight:

- 0.9 kg (2 lb)—Plastic
- 1.5 kg (3.4 lb)—Bronze
- 1.6 kg (3.6 lb)—Stainless Steel

Acoustic Window: Urethane

Data Update Rate: 1 per second

Minimum Depth Range: 0.5 m (1.6')

Maximum Depth Range:

- Up to 100 m (330')—Non-Broadband
- Up to 180 m (590')—Broadband

Pressure Rating: 3 m (10')

Supply Voltage:

- 10 VDC to 25 VDC—NMEA 0183
- 9 VDC to 16 VDC—NMEA 2000

Supply Current:

- <40 mA—NMEA 0183
- <200 mA—NMEA 2000

Standard Cable Length:

- 10 m (33')—NMEA 0183
- 6 m (20') devicenet—NMEA 2000

Temperature Accuracy: ±0.5°C (±1.8°F)

Temperature Sensor Range: -10°C to 40°C (14°F to 104°F)

NMEA 2000® Load Equivalency Number (LEN): 4

CE Regulation: Complies to IERC60945

DATA OUTPUT PROTOCOL

NMEA 0183 Sentence Structure

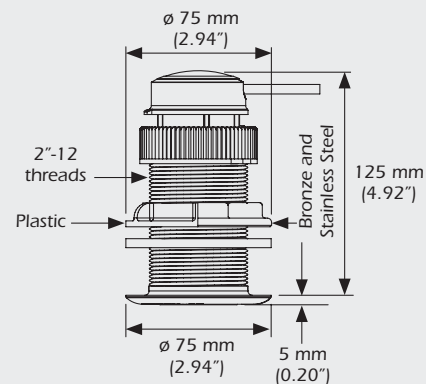
\$SDBT, DDPT... Depth
\$YXMTW..... Water Temperature

NMEA 2000® Supported PGNs

59392..... ISO Acknowledgement
600928..... ISO Address Claim
126208..... Acknowledge Group Function
126464..... Transmit PGN List Group Function
126464..... Received PGN List Group Function
126996..... Product Information
128267..... Water Depth (With Transducer Offset)
130310..... Environmental Parameters (Water Temperature)
130311..... Environmental Parameters (Water Temperature)
130312..... Environmental Parameters (Water Temperature)

DIMENSIONS

P617V Plastic, B617V Bronze, and SS617V Stainless Steel



- Also compatible with B17 and SS577 housings