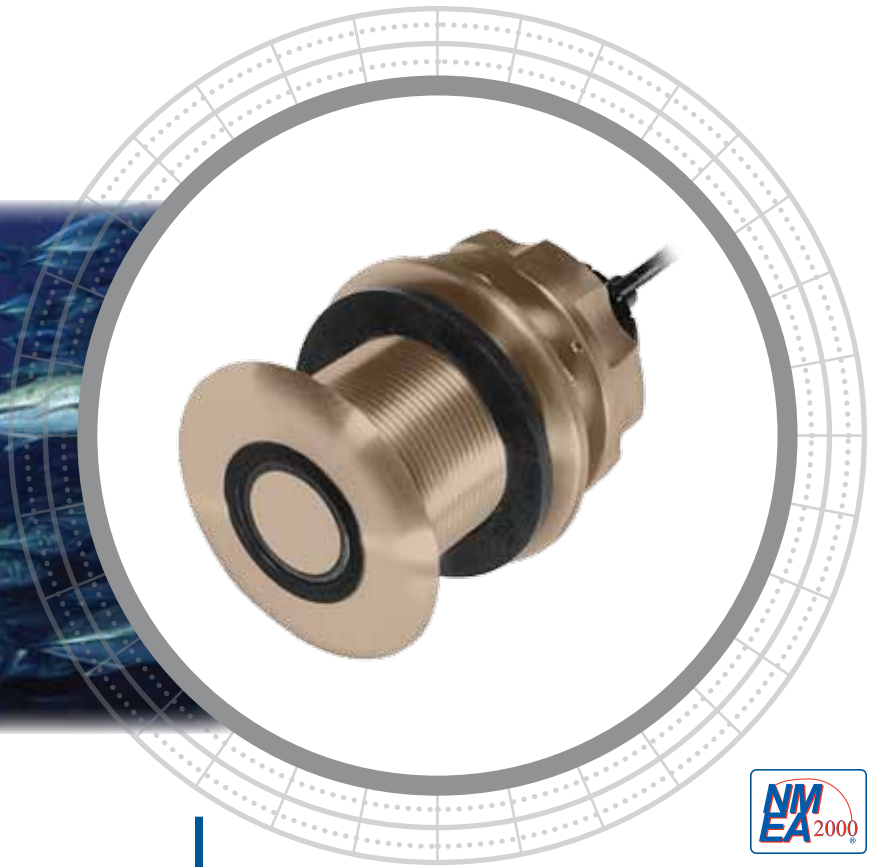
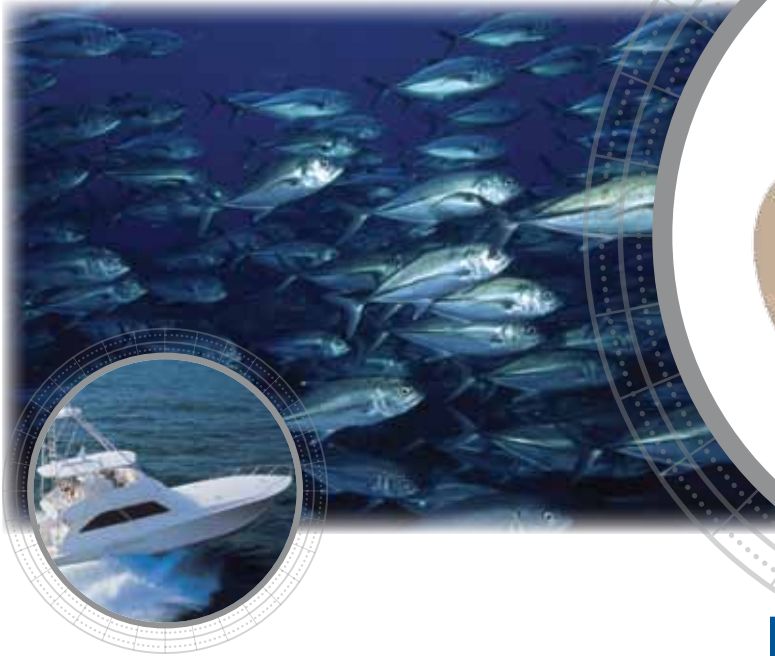


# B17-HP



## High-Precision Temperature

The B17 High-Precision Temperature Sensor provides fast-response to temperature changes with higher accuracy. The 25.4 mm (1") bronze button on the sensor face and the specialized fast-response thermistor provide a super fast 5 second time constant and  $\pm 0.3^{\circ}\text{C}$  ( $0.17^{\circ}\text{F}$ ) accuracy. Precision temperature data is output to a chart plotter, radar screen, digital display, or computer. Separate interface boxes are available for NMEA 0183 or NMEA 2000<sup>®</sup> protocols. The units are ideal for fishing as they can detect thermal boundaries such as the edges of currents, which tend to concentrate bait and game fish.

## Thru-Hull Low-Profile Temperature Sensor

High-Precision Smart<sup>™</sup>

### Applications

- Sportfishing
- Commercial fishing

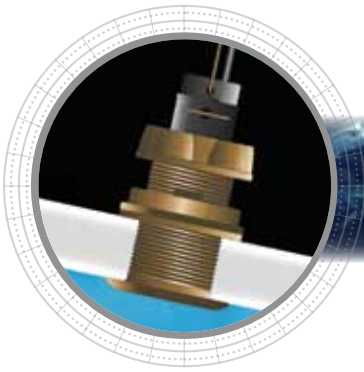
### Features

- High-precision temperature with  $\pm 0.3^{\circ}\text{C}$  ( $0.17^{\circ}\text{F}$ ) accuracy
- NMEA 0183 and NMEA 2000<sup>®</sup> versions available
- Temperature insert easily fits into any existing 51 mm (2") retractable Airmar housing
- Available in plastic, bronze, or stainless steel housings
- These low-profile housings are nearly flush and minimize drag with only 5 mm ( $3/16$ ") extending outside the hull



*Sensing Technology*

[www.airmar.com](http://www.airmar.com)



## Technical Information

### SPECIFICATIONS

**Weight:**

- 0.6 kg (1.3 lb)—Plastic
- 1.3 kg (2.8 lb)—Bronze
- 1.6 kg (3.5 lb)—Stainless Steel

**Temperature Accuracy:** ±0.3°C (±0.17°F)

**Temperature Resolution:** 0.01°C (0.2°F)

**Data Update Rate:** 1 per second

**Data Output Protocol:** NMEA 0183 or NMEA 2000®

**NMEA Data Sentence:** YXMTW, PGN130310

**Supply Voltage:** 6 VDC to 28 VDC

**Supply Current:** 30 mA maximum

**Maximum Extension Cable Length:** 100 m (330')

**Hole Diameter:** 51 mm (2")

**Temperature Range:** 0°C to 30°C (32°F to 86°F)

### DATA OUTPUT PROTOCOL

**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
- 130310..... Environmental Parameters (Water Temperature)
- 130311..... Environmental Parameters (Water Temperature)
- 130312..... Environmental Parameters (Water Temperature)

### DIMENSIONS

