

# The Award-winning Digital Compass for Your Powerboat



## Key Features and Attributes

- Backlit LCD display with rotating compass rose and large numerals for easy use during the day or night
- Completely automatic compensation for guaranteed  $\pm 0.5^\circ$  accuracy
- Heading data output for use with other NMEA 0183-compatible electronics
- 10 user-selectable damping levels for stability in virtually any sea state
- Self-contained system for a fast and easy installation
- Designed and built by KVH – the leader in electronic compass technology



## KVH Azimuth 1000 – the heads-up choice for a digital fluxgate compass

If you want a compass with the features, quality, and design that meet the needs of high-performance powerboats, the KVH Azimuth 1000 is the compass system for you! By combining digital heading and the familiar compass rose on a large, heads-up display with an easy-to-use off-course mode, the Azimuth 1000 makes steering easy and precise – no matter how fast you're going or how rough the seas.

Totally self-contained for easy installation and designed to military quality standards, the Azimuth 1000 was named "Best Electronic Compass" by the National Marine Electronics Association (NMEA) dealers for eight consecutive years. Azimuth 1000 is standard equipment on many leading brands of powerboats, including Fountain®. Even the U.S. Navy approved the replacement of its ships' magnetic card compasses with KVH digital compasses. The Azimuth 1000 can also provide heading data for use with radars, autopilots, plotters, and PC software through its fast, 10 Hz NMEA 0183 output port.

The KVH Azimuth 1000 – the rock-steady and reliable digital compass for today's navigation!



### Stay on Course

*With  $\pm 0.5^\circ$  accuracy, the Azimuth 1000 keeps you on course and in the race.*



### Versatile and Easy to Use

*Clear displays and easy operation deliver award-winning navigation.*



### Rugged and Reliable

*The solid-state Azimuth 1000 is designed for use on all types of powerboats.*

# Azimuth 1000 Digital Compass Features

**Stable, easy-to-read display** shows current heading using large digital numerals with one-degree resolution.

**Unique rotating image of the familiar points of the compass rose** is pictured on the upper part of the display.

**Standard NMEA 0183 output** interfaces with your autopilot, radar, plotter, and charting system. Accurate compass data improves other electronics' performance.

**Continuous automatic compensation** corrects for the boat's magnetic distortion, providing accuracy to 0.5°.\* Compensation display shows accuracy and quality of magnetic location.

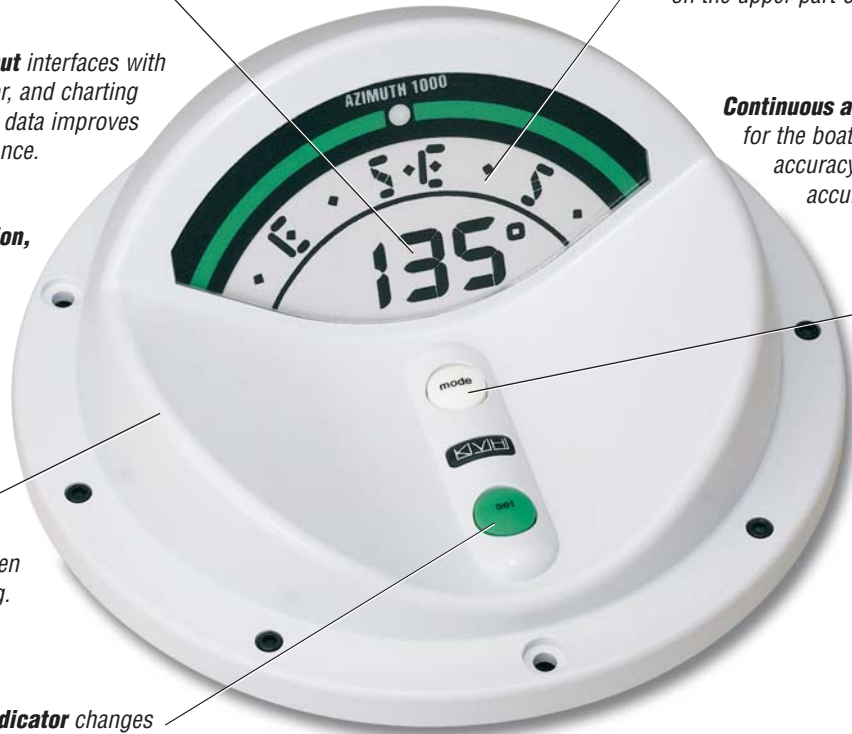
**Solid-state, next-generation, fluxgate sensor** reads the earth's magnetic field electronically without rotating parts.

**10 selectable damping levels** offer stability control as sea state conditions change.

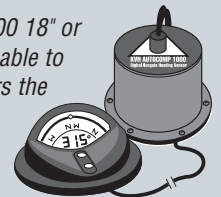
**Self-contained sensor** inside display housing installs easily with no hidden parts or complicated wiring.

**Award-winning flushmount design** is available in black or white.

**Push-button off-course indicator** changes upper display from rotating compass rose to off-course steering indicator.



\*Accuracy based on mounting the Azimuth 1000 18" or more from magnetic interference. For boats unable to achieve this installation requirement, KVH offers the **Azimuth 1000R**. The remote sensor allows the display to remain on the dash while the sensor is mounted in a magnetically clean location.



## Technical Specifications

Accuracy	±0.5° after Auto-compensation
Current Consumption	63 mA (light off)/125 mA (max. light)
Deviation Correction	Automatic Compensation
Base Dimensions	6-1/4 inch diameter (15.9 cm)
Gimbal Range	±25°
Height	2-3/4 inch (7 cm)
Field Strength Sensitivity	6.5 - 65µ Tesla
Weight	12 ounces (340 g)
Damping Levels	Selectable Range 0-9 (ten levels)
Cable Length	10 feet (3 m)
Sensor Cable Length	15 feet (4.5 m) (1000R only)

Operating Temperature	32°F to 158°F (0°C to 70°C)
Storage Temperature	-4°F to 175°F (-20°C to 80°C)
Standard Output	NMEA 0183 (10 Hz data rate)
Voltage	12V DC Nominal
Warranty	1-year parts/1-year factory labor

Black Housing Part #s	01-0148 01-0145 (Remote sensor config.)
White Housing Part #s	01-0148-01 01-0145-01 (Remote sensor config.)

Meets FCC and CE requirements



**KVH Industries, Inc.**  
50 Enterprise Center • Middletown, RI 02842-5279 • U.S.A.  
Phone: +1 401 847-3327 • Fax: +1 401 849-0045  
E-mail: info@kvh.com



**KVH Europe A/S**  
Kokkedal Industripark 2B • 2980 Kokkedal • Denmark  
Phone: +45 45 160 180 • Fax: +45 45 160 181  
E-mail: info@kvh.dk