



EV-1

EV-1 EVOLUTION HEADING SENSOR

Raymarine's EV-1 Heading Sensor is an advanced, solid-state 9-axis sensing system that calculates vessel heading and attitude information for onboard navigation devices. EV-1's advanced sensing and processing capabilities also allow it to serve as the primary motion and course-correction sensor in a Raymarine Evolution™ autopilot system.

The ultra-compact EV-1 features a built-in magnetic fluxgate sensor plus a digital motion sensing system that outputs values for heading, pitch, roll, yaw, and heave. The EV-1 is a NMEA2000 certified sensor compatible with a wide array of marine systems like radar, electronic chart displays, sonar systems and autopilot



SIMPLE TO INSTALL

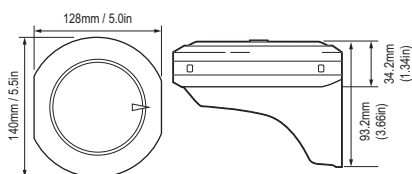
- All-in-one, precision monitoring of heading, pitch, roll, yaw and heave
- Solid state sensor technology delivers dynamic accuracy to within 2-degrees in all conditions
- Simple NMEA2000 and SeaTalk^{ng} network integration
- Compact, waterproof (IPX 6) housing suitable for installation above or below deck
- Automatic magnetic deviation detection and compensation

EV-1 SPECIFICATIONS

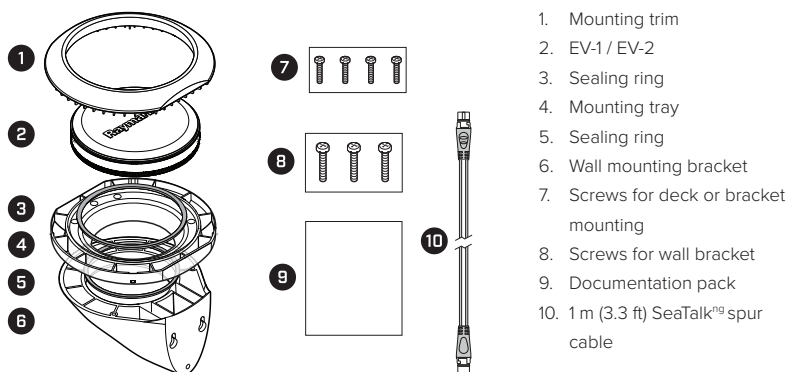
GENERAL FEATURES

Nominal Supply Voltage	12 V DC (powered by NMEA2000/SeaTalk ^{ng} network)
Operating Voltage Range	10.6 V to 15.6 V DC
Power Consumption	30 mA
Load Equivalency Number	1 LEN (NMEA2000/SeaTalk ^{ng})
Sensors	3-axis digital accelerometer 3-axis magnetic fluxgate digital compass 3-axis gyro digital angular rate sensor
Data Connection	SeaTalk ^{ng} connector (adaptable to NMEA2000 DeviceNet)
Operating Temperature	-25 °C to +55 °C (-13 °F to +131 °F)
Storage Temperature	-30 °C to +70 °C (-22°F to +158°F)
Relative Humidity	Max 93%
Waterproof Rating	IPX 6
Diameter	140mm (5.5 inches)
Depth	35mm (1.4 inches), including mounting enclosure 95mm (3.8 inches), including bulkhead bracket
Weight	0.29 kg (0.64 pounds)
EMC Compliance	Europe: 2004/108/EC Australia and New Zealand: C-Tick, Compliance Level 2

DIMENSIONS



WHAT'S IN THE BOX



The technical and graphical information contained in this brochure, to the best of our knowledge, was correct as it went to press. However, the Raymarine policy of continuous improvement and updating may change product specifications without prior notice. Therefore, unavoidable differences between the product and this brochure may occur from time to time, for which liability cannot be accepted by Raymarine.

Some images in this brochure have been used for illustration purposes only.

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