



SMART WIND TRANSDUCER

PRECISION WIND DATA FOR EVERYONE

The Raymarine RSW wind transducer is a professional-level wind sensor designed for leisure sailors. An all-new wind sensor design, the RSW transducer is engineered for simplicity and accuracy using an integrated 3D motion sensor and Raymarine Smart Wind™ technology to give every skipper a new level of sailing intelligence. The newly designed RSW wind sensor is a self-calibrating sensor that delivers ultra-precise wind speed and direction measurements. Sailors can take advantage of high accuracy, true wind, speed, and polar calculations to make more intelligent race and performance sailing decisions when it matters most.

RSW WIRED TRANSDUCER KEY FEATURES

- Experience expert-level accuracy without complicated black box processors or cumbersome calibration tables.
- Integrated 3D motion sensor (AHRS technology) accounts for vessel pitch and roll, automatically delivering improved true wind accuracy.
- Smart Wind technology delivers superior wind measurement by compensating for mast twist and bend.
- Using the 3D motion sensor, the sensor compensates for the effects of airflow and upwash against the sails, delivering stable and trusted true wind direction.
- Rotating mast compatible without any extra sensors.
- Lightweight and durable carbon fibre arm for reliable performance



RSW WIRED SMART WIND TRANSDUCER

Raymarine®

RSW-WIRED TRANSDUCER SPECIFICATIONS

POWER	
Nominal supply voltage:	12 V dc
ENVIRONMENTAL	
Operating temperature range:	-25°C to +55°C (-13°F to +131°F)
Waterproof rating:	Wind transducer: IPx6/IPx7 / Wired gateway: IPx6/IPx7
Wind:	115 mph (185 kph)
CONNECTIONS	
Data connections:	• 1x mast cable • 1x NMEA2000 DeviceNet connector
PHYSICAL	
Length:	• Wind transducer (including cable): 657762 mm (25.90 in) • Wind transducer (excluding cable): 540.712 mm (21.29 in) • Wired gateway: 155.61 mm (6.13 in)
Width:	• Wind transducer: 46.96 mm (1.85 in) • Wired gateway: 47.38 mm (1.88 in)
Height:	• Wind transducer: 305.86 mm (12.04 in) • Wired gateway: 30.61 mm (1.21 in)
PARTS	
What's in the box:	• No.10 x 3/4" self tapping screws x 4 (for mounting the wind transducer) • No.7 x 3/4" self tapping screws x 2 (for mounting the gateway) • 40 mm (1.57 in) heat shrink tube (required to insulate ground wire when shortening the mast cable) • Ring crimp terminal (required for additional ground connection when the gateway is not mounted on a metal surface) • Mast cable, 30 m (98.43 ft) reel • Documentation • Wind transducer • Smart wind wired gateway • SeaTalkng® to DeviceNet adaptor cable, 120 mm (4.72 in)

For further information go to our website
www.raymarine.com

23-438-MAR / SEP 2023