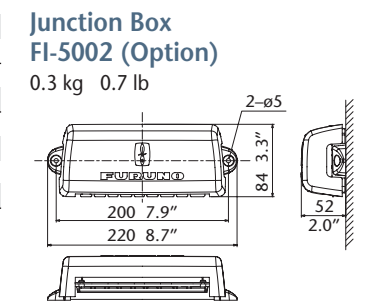
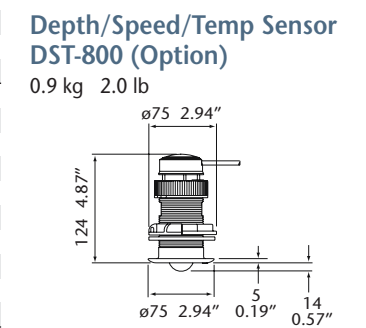
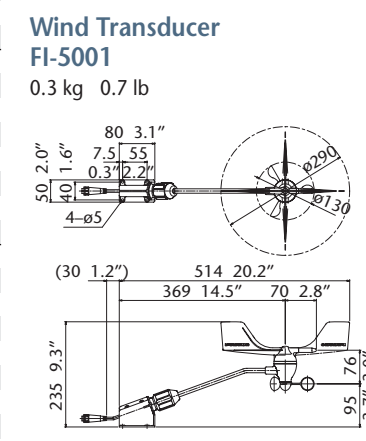
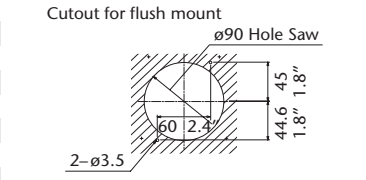
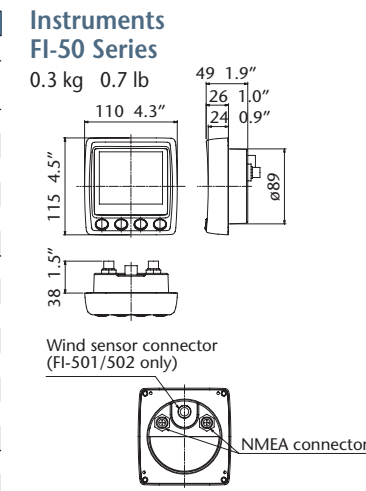


# and Comfortable Boating



- ▶ Bright backlit displays with wide viewing angles
- ▶ Auto-Backlighting feature minimizes power consumption
- ▶ NMEA2000® interface offers "Plug and Play" networking
- ▶ Easy installation with hole-saw flush-mount design
- ▶ Ideal for mast or bulkhead mounting configurations
- ▶ White face "F1 Style" gauges provide maximum contrast and visibility
- ▶ New use Organic Light Emitting Diode (OLED) Backlighting Technology reduces power consumption

	WIND FI-501	CH WIND FI-502	DIGITAL FI-503	MULTI FI-504	COURSE PILOT FI-505	RUDDER FI-506
Port	NMEA2000®x2 WINDx1	NMEA2000®x2 WINDx1	NMEA2000®x2	NMEA2000®x2	NMEA2000®x2	NMEA2000®x2
Depth	-	-	○	○	-	-
Current Depth	-	-	○	○	-	-
Shallow alarm threshold	-	-	○	○	-	-
Deep alarm threshold	-	-	○	○	-	-
Anchor shallow alarm threshold	-	-	○	○	-	-
Anchor deep alarm threshold	-	-	○	○	-	-
Speed	-	-	○	○	-	-
STW (Speed through water)	-	-	○	○	-	-
SOG (Speed over ground)	-	-	○	○	-	-
Maximum Speed	-	-	○	○	-	-
Average Speed	-	-	○	○	-	-
VMG to windward	-	-	○	○	-	-
Log (0 - 9999nm)	-	-	○	○	-	-
Trip (0 - 999.99nm)	-	-	○	○	-	-
Wind	-	-	○	○	-	-
Apparent wind speed	○	○	○	○	-	-
Apparent wind direction	○	○	○	○	-	-
True wind speed	○	○	○	○	-	-
True wind direction	○	○	○	○	-	-
Beaufort scale and cardinal point	○	○	○	○	-	-
Maximum wind speed	○	○	○	○	-	-
Maximum true wind speed alarm	○	○	○	○	-	-
Low true wind speed alarm	○	○	○	○	-	-
High apparent wind angle alarm	○	○	○	○	-	-
Low apparent wind angle alarm	○	○	○	○	-	-
Ground Wind	-	-	-	-	-	-
Heading	-	-	-	-	-	-
Average heading	-	-	○	○	-	-
Locked heading	-	-	○	○	-	-
Heading on next tack	-	-	○	○	-	-
COG (Course over ground)	-	-	○	○	-	-
CMG (Course made good)	-	-	○	○	-	-
DMG (Distance made good)	-	-	○	○	-	-
Navigation	-	-	-	-	-	-
Bearing to Waypoint	-	-	-	○	-	-
Distance to Waypoint	-	-	-	○	-	-
Cross Track Error and error steer bar	-	-	-	○	-	-
Target waypoint name	-	-	-	○	-	-
Target waypoint number	-	-	-	○	-	-
Latitude	-	-	-	○	-	-
Longitude	-	-	-	○	-	-
GPS satellite status	-	-	-	○	-	-
Roll	-	-	-	○	-	-
Pitching	-	-	-	○	-	-
SOG	-	-	-	○	-	-
Environment	-	-	-	-	-	-
Battery voltage	-	-	-	○	-	-
Battery voltage alarm	-	-	-	○	-	-
Date and Time	-	-	-	○	-	-
Water Temperature (two decimal points)	-	-	-	○	-	-
Air Temperature	-	-	-	○	-	-
Pressure	-	-	-	○	-	-
Humidity	-	-	-	○	-	-
Wind Chill Temperature	-	-	-	○	-	-
Dew point	-	-	-	○	-	-
Timer	-	-	-	-	-	-
Count-up timer	-	-	-	○	-	-
Count-down timer	-	-	-	○	-	-
Autopilot	-	-	-	-	-	-
Rudder angle	-	-	-	-	○	-
Engine	-	-	-	-	-	○
Fuel information	-	-	-	-	-	-
Fuel consumption	-	-	-	-	-	-
Engine RPM	-	-	-	-	-	-



TRADEMARK REGISTERED MARCA REGISTRADA  
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

NMEA 2000® is a registered trademark of the National Marine Electronics Association.

**FURUNO ELECTRIC CO., LTD.**  
Nishinomiya, Hyogo, Japan  
Phone: +81 (0)798 65-2111  
Fax: +81 (0)798 65-4200, 66-4622

**FURUNO U.S.A., INC.**  
Camas, Washington, U.S.A.  
Phone: +1 360-834-9300  
Fax: +1 360-834-9400

**FURUNO (UK) LIMITED**  
Havant, Hampshire, U.K.  
Phone: +44 23 9244 1000  
Fax: +44 23 9248 4316

**FURUNO FRANCE S.A.**  
Alestrand, Norway  
Phone: +33 5 56 13 48 00  
Fax: +33 5 56 13 48 01

**FURUNO ESPAÑA S.A.**  
Madrid, Spain  
Phone: +34 91-725-90-88  
Fax: +34 91-725-96-97

**FURUNO (DANMARK) AS**  
Hvidovre, Denmark  
Phone: +45 36 77 45 00  
Fax: +45 36 77 45 01

**FURUNO NORGE A/S**  
Alestrand, Norway  
Phone: +47 70 102950  
Fax: +47 70 102951

**FURUNO SVERIGE AB**  
Västra Frölunda, Sweden  
Phone: +46 31-7098940  
Fax: +46 31-497093

**FURUNO FINLAND OY**  
Espoo, Finland  
Phone: +358 9 4355 670  
Fax: +358 9 4355 6710

**FURUNO POLSKA Sp. z o.o.**  
Gdynia, Poland  
Phone: +48 58 669 02 20  
Fax: +48 58 669 02 21

**FURUNO DEUTSCHLAND GmbH**  
Pellingsen, Germany  
Phone: +49 4101 838 0  
Fax: +49 4101 838 111

**LLC "FURUNO EURUS"**  
St. Petersburg, Russian Federation  
Phone: +7 812 767 15 92  
Fax: +7 812 766 56 52

0709XU Printed in Japan  
Catalogue No. M-1542a

**FURUNO**  
World Wide  
Warranty



**FURUNO**

# FI-50 series INSTRUMENTS



# Precision Instrumentation for Safe

The FURUNO FI-50 Navigation Instrument Series are professionally designed to meet the needs of all sailing and power boat vessels. These instruments provide a wide variety of precise information, even under the harshest conditions, enhancing your safety at sea.

Each easy-to-use display unit utilizes standard NMEA2000® network connectors and cabling. Data from each component may be fully integrated with any Navnet 3D or other NMEA2000® system providing an easy "Plug and Play" installation.

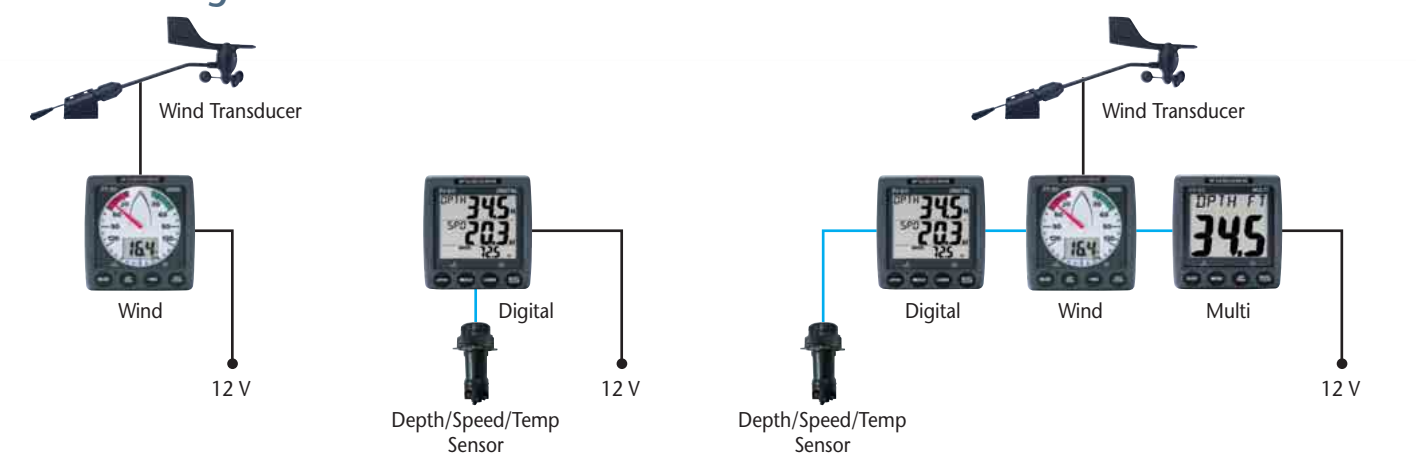


FI-50 series  
INSTRUMENTS

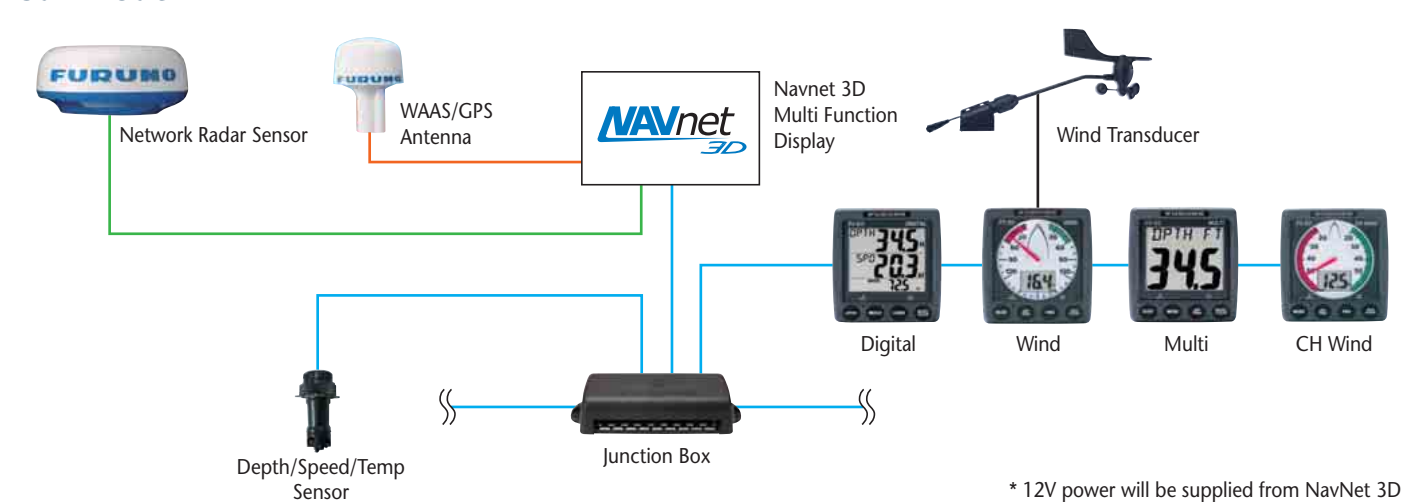
[www.furuno.co.jp](http://www.furuno.co.jp)

# System Configurations

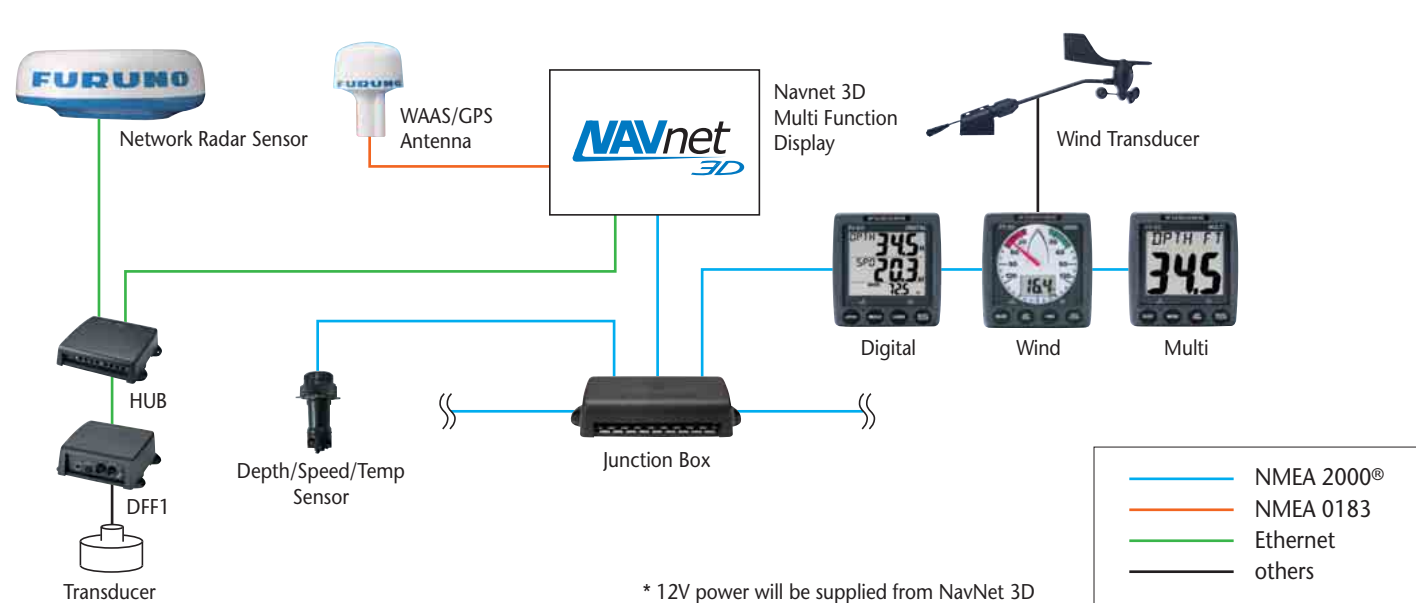
## Basic Configurations



## Sail Boat



## Power Boat



**FI-501**  
Apparent and True Wind Angle is displayed in both analog and digital format when connected to the FI-5001 or other NMEA2000® wind measurement system.

**FI-502**  
The FI-502 provides detailed and precise wind bearing measurements from 60 port to 60 Starboard, an important range for Close Hauled (CH) points of sail.

**FI-503**  
The FI-503 displays critical digital data for navigation, such as depth, speed, temp, and atmospheric weather data in a 3-way split screen.

**FI-504**  
The FI-504 features a large digital display. The combination of alpha and numeric characters present all of the data and functionality available in the FI-50 Network. Alternating Data Displays are possible and selected information can be switched at 3 second intervals.

**FI-505**  
The FI-505 provides a digital compass readout with an analog "Off-Course" needle that greatly assists the helmsman in maintaining the desired vessel course. Or, use the needle to check and verify the autopilot steering performance.

**FI-506**  
Connected to an Autopilot, the FI-506 Rudder Angle Display show precise rudder angle information.

- Data displayed**
- Apparent and true wind speed • Apparent and true wind angle • Maximum true wind speed
  - MAX/LOW true wind speed alarm • High/Low apparent wind angle alarm • Beaufort wind speed
  - VMG to windward
- Data displayed**
- Current depth • Shallow/deep alarm • Shallow/deep anchor alarm • Wind angle • High/Low apparent wind angle
  - Boat speed • MAX/AVG STW • SOG • MAX/AVG SOG • VMG to windward • Wind speed • MAX true wind • MAX/LOW true wind speed alarm • Beaufort wind speed
  - LOG • Trip • Count up/down timer • Water temperature • Air temperature • Air pressure • Humidity • Wind chill temperature • Dew point

- Data displayed**
- Displays all information on the FI-50 series
  - NAVIGATION (Bearing/distance to WPT, XTE, WPT number/name, L/L, Satellites tracked, Roll & Pitch)
  - ENVIRONMENT (Battery voltage, Time & Date)
  - ENGINE (Trip fuel used, Fuel consumption, Engine RPM)

- Data displayed**
- Current heading • Locked heading
  - Average heading • Course over ground



FI-50 series INSTRUMENTS

## Sensors and Accessories (Option)

- Wind Transducer FI-5001**  
Angle Accuracy: Better than ±10°  
Speed Accuracy: Better than ±5 % (20 kt)  
Power supply: 12 VDC, less than 40 mA  
Transducer cable: 30/50 m
- Depth/Speed/Temp Sensor DST-800**  
Frequency: 235 kHz
- Junction Box FI-5002**  
NMEA2000® backbone x 2 ports  
NMEA2000® x 6 ports  
Power supply: 12 VDC, less than 2A

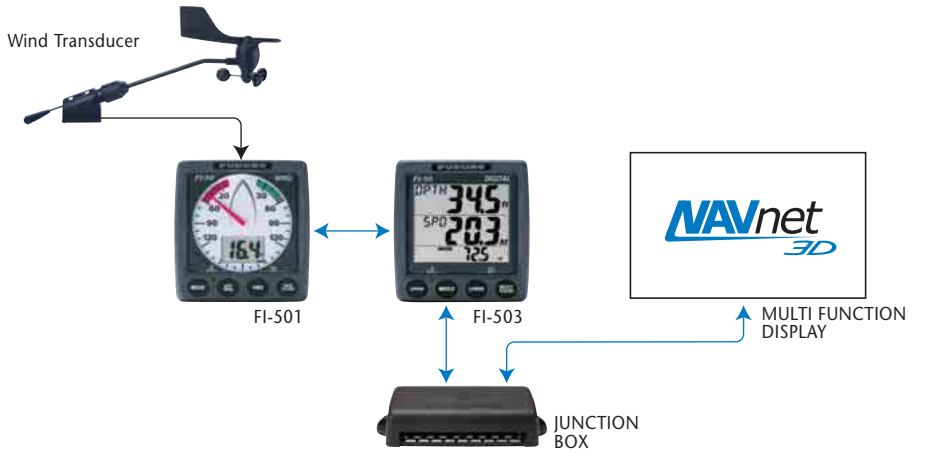


## Easy to install

Surface Mount the displays with a hole saw then install 4 hidden screws under the front bezel. Installations are easy and clean with a finished appearance (1" (26mm) bulkhead protrusion).  
Optional "Low Profile" Flush Mounting front panels provide a cosmetic match to NN3D Displays and a custom console appearance (0.4" (10mm) bulkhead protrusion).

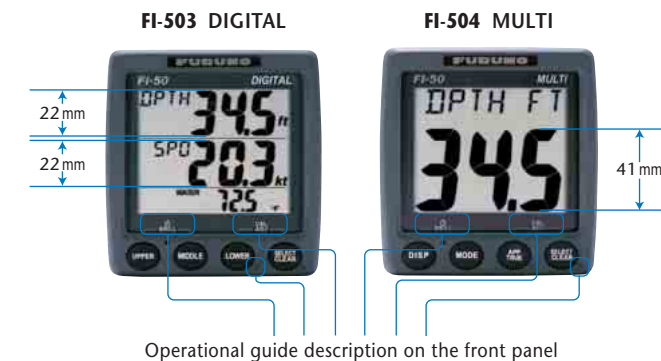


The units are designed to match the NavNet 3D series and other navigation equipment. The "Plug and Play" system utilizes NMEA 2000® interface protocol, which gives the system exceptional interface ability.



## Easy to Read with Silver Bright LCD Display

The FI-50 Series utilize high-contrast, backlit LCD displays for superior viewing even in direct sunlight. Each unit features an easy-to-read display and 4 simple programming buttons for operation. The function for each key and combination is printed directly on the front panel.



**Automatic Backlight Adjustment**  
The FI-50 series of instruments minimize power consumption by turning off the backlight during the daytime. Sensors on the front panel measure ambient lighting conditions and adjust the on/off condition of the display backlighting accordingly.

