

FI-50 series

INSTRUMENTS

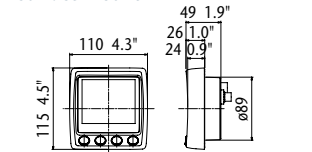
	WIND	CH WIND	DIGITAL	MULTI	COURSE	RUDDER	MULTI XL
	FI-501	FI-502	FI-503	FI-504	FI-505	FI-506	FI-507
Port							
CAN bus x2	○	○	○	○	○	○	○
WIND x1	○	○	-	-	-	-	-
Depth							
Current depth	-	-	○	○	-	-	○
Shallow alarm threshold	-	-	○	○	-	-	○
Deep alarm threshold	-	-	○	○	-	-	○
Anchor shallow alarm threshold	-	-	○	○	-	-	○
Anchor deep alarm threshold	-	-	○	○	-	-	○
Speed							
STW (Speed through water)	-	-	○	○	-	-	○
SOG (Speed over ground)	-	-	○	○	-	-	○
Maximum speed	-	-	○	○	-	-	○
Average speed	-	-	○	○	-	-	○
VMG to windward	○	○	○	○	-	-	○
Log (0 - 99999nm)	-	-	○	○	-	-	○
Trip (0.01 - 999nm)	-	-	○	○	-	-	○
Wind							
Apparent wind speed	○	○	○	○	-	-	○
Apparent wind angle	○	○	○	○	-	-	○
True wind speed	○	○	○	○	-	-	○
True wind angle	○	○	○	○	-	-	○
Beaufort scale angle	○	○	○	○	-	-	○
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 direction	-	-	-	○	-	-	○
Heading							
Heading	-	-	-	○	○	-	○
Average heading	-	-	-	○	○	-	○
Locked heading	-	-	-	○	○	-	○
Heading on next tack	○	○	-	-	-	-	○
COG (Course over ground)	-	-	-	○	○	-	○
CMG (Course made good)	-	-	-	○	○	-	○
DMG (Distance made good)	-	-	-	○	○	-	○
ROT (Rate of turn)	-	-	-	-	○	-	-
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	-	-	○	○	-	-	○

Instruments

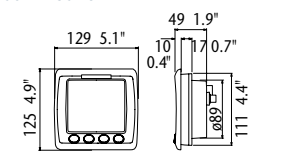
FI-501/502/503/504/505/506

0.3 kg 0.7 lb

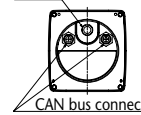
Surface mount



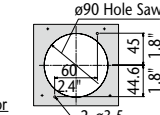
Flush mount



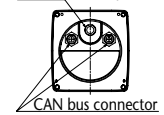
Wind sensor connector (FI-501/502 only)



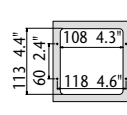
Cutout for surface mount



Wind sensor connector (FI-501/502 only)



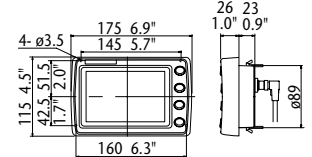
Cutout for flush mount



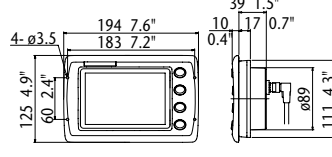
FI-507

0.5 kg 1.1 lb

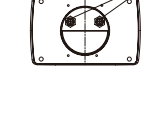
Surface mount



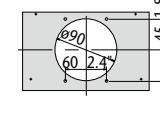
Flush mount



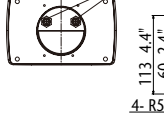
CAN bus connector



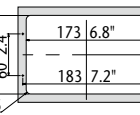
Cutout for surface mount



CAN bus connector



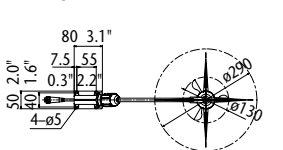
Cutout for flush mount



Wind Transducer

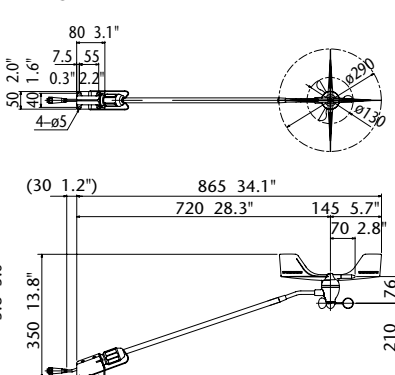
FI-5001

0.3 kg 0.7 lb



FI-5001L

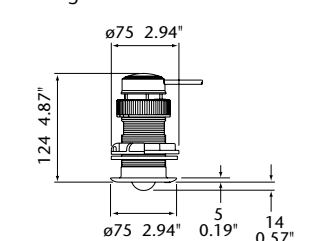
0.4 kg 0.9 lb



Depth/Speed/Temp Sensor

DST-800 (Option)

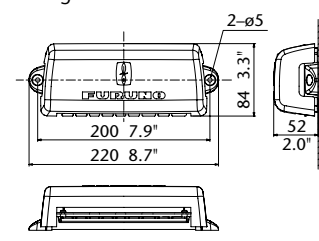
0.9 kg 2.0 lb



Junction Box

FI-5002 (Option)

0.3 kg 0.7 lb



TRADEMARK REGISTERED
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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

FURUNO FRANCE S.A.S.
Bordeaux-Mérignac, France
Phone: +33 5 56 13 48 00
Fax: +33 5 56 13 48 01

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

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

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

FURUNO EURUS LLC
St. Petersburg, Russian Federation
Phone: +7 812 767 15 92
Fax: +7 812 766 55 52

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

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

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

FURUNO WORLD WIDE WARRANTY
2 YEARS

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

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

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

FURUNO EURUS LLC
St. Petersburg, Russian Federation
Phone: +7 812 767 15 92
Fax: +7 812 766 55 52

Precision Instrumentation for Safe and Comfortable Boating

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 CAN bus network connectors and cabling. Data from each component may be fully integrated with any NavNet 3D or other CAN bus system providing an easy "Plug and Play" installation.



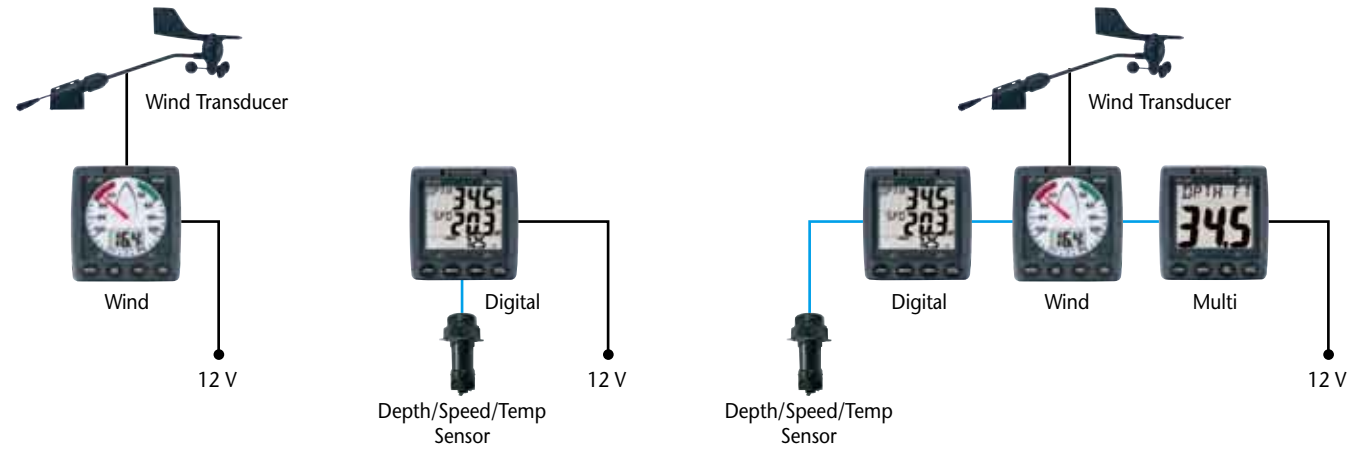
- ▶ Bright backlit displays with wide viewing angles
- ▶ Auto-Backlighting feature minimizes power consumption
- ▶ CAN bus interface offers "Plug and Play" networking
- ▶ Easy installation with hole-saw flush-mount design
- ▶ Ideal for mast or bulkhead mounting configurations
- ▶ White face "F1 Style"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

FI-50 series
INSTRUMENTS

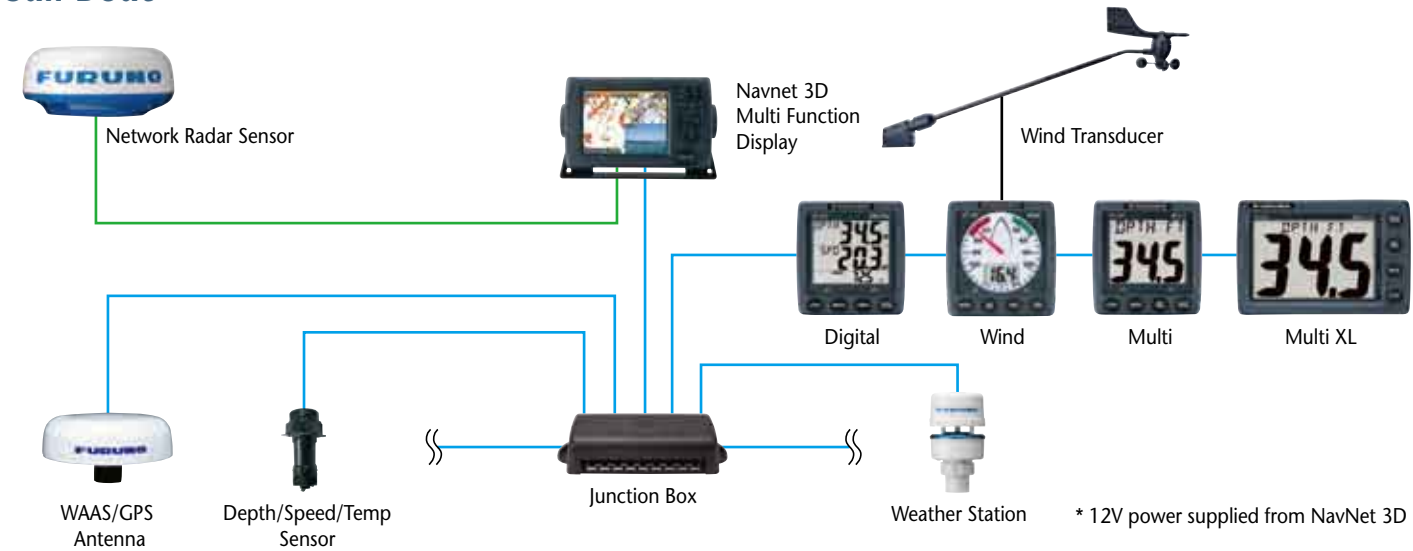
System Configurations



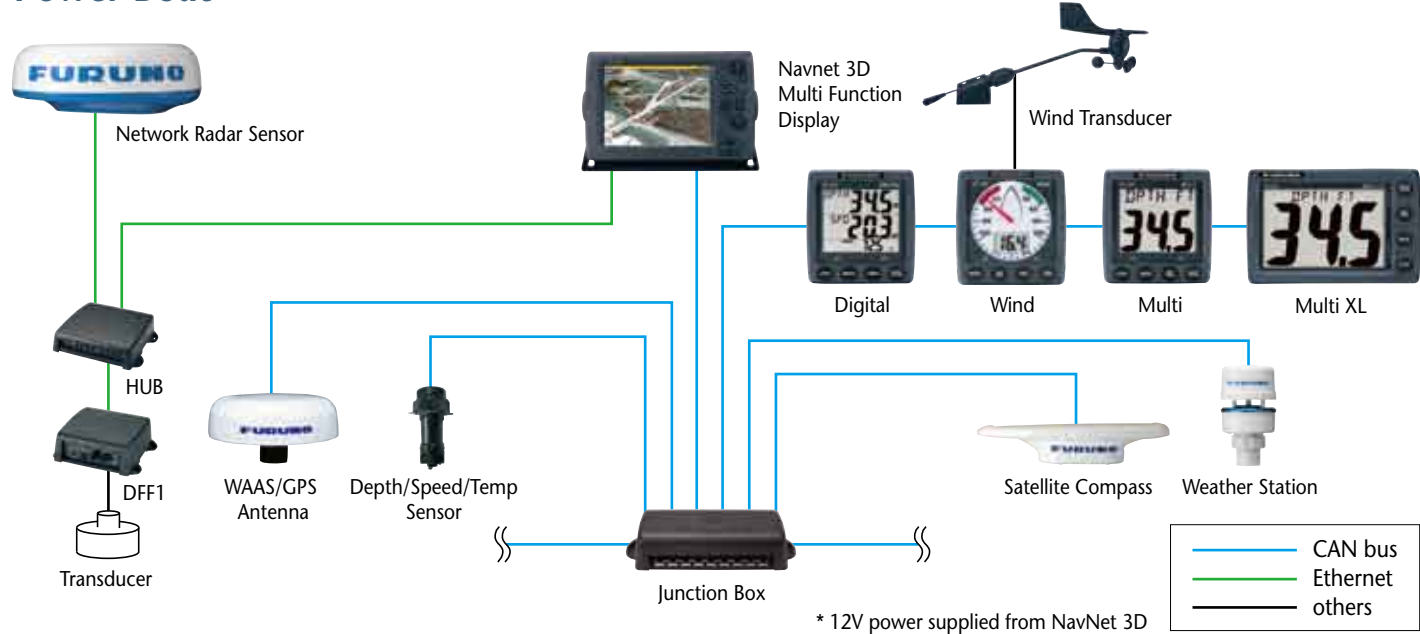
Basic Configurations



Sail Boat



Power Boat



WIND

CH WIND

DIGITAL



FI-501

Apparent and True Wind Angle are displayed in both analog and digital format when connected to the FI-5001/5001L or other CAN bus wind measurement devices.



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 navigation data such as depth, speed, temp, and weather data on a 3-way split screen.

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



FI-50 series
INSTRUMENTS

MULTI / MULTI XL

COURSE PILOT

RUDDER



FI-504

1 DIN type



FI-507 **NEW**

1.5 DIN type



FI-505



FI-506

The FI-504 and FI-507 feature large digital displays with easy-to-read characters presenting all of the information available in the CAN bus network*. Alternating data display mode switches the user-selected information in 3-second intervals.

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)

* Except ROT. ROT can be displayed on FI-505.

The FI-505 provides a digital compass readout with an analog "Off Course" needle that greatly assists the helmsman in maintaining a desired course. When connected to satellite compass, smooth and precise ROT (Rate Of Turn) of the boat is shown with the analog needle. The needle can also be used to verify autopilot steering performance.

Data displayed

- Current heading •Locked heading
- Average heading •Course over ground
- ROT

When connected to an autopilot, the analog FI-506 Rudder Angle Display shows precise rudder angle information.

Data displayed

- Rudder angle

Specifications of FI-50 series

- Display: Analog and digital LCD (FI-501, 502, 505)
 Digital LCD (FI-503, 504, 507)
 Analog (FI-506)
- Power supply: 12 VDC, less than 0.1 A
- Temperature: -15°C to +55°C
- Waterproofing: IP56

Sensors and Accessories (Option)



Wind Transducer

FI-5001/FI-5001L

- Power supply: 12 VDC, less than 40 mA
- Transducer cable: 30/50 m



Depth/Speed/Temp Sensor

DST-800

- Frequency: 235 kHz
- Cable: 6 m



Junction Box

FI-5002

- CAN bus backbone x 2 ports
- CAN bus x 6 ports
- Power supply: 12 VDC, less than 2A



Easy to install

Surface Mount the displays with a hole saw and install 4 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)

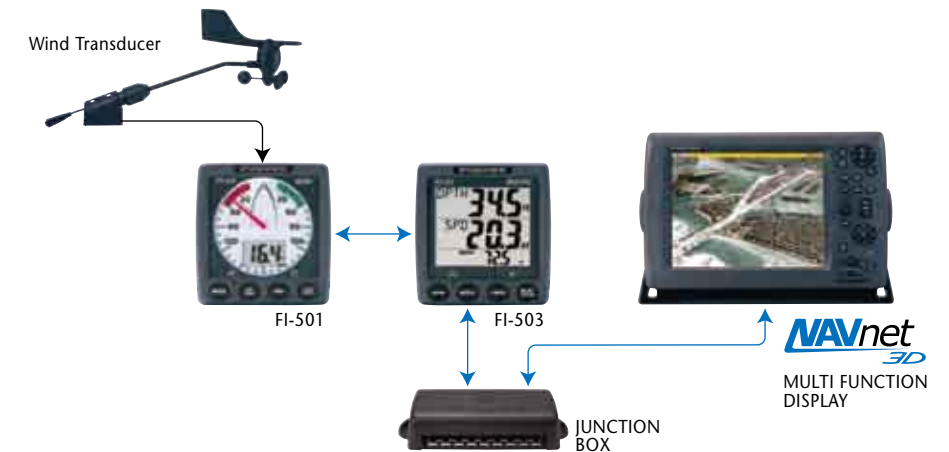


Surface mount installation



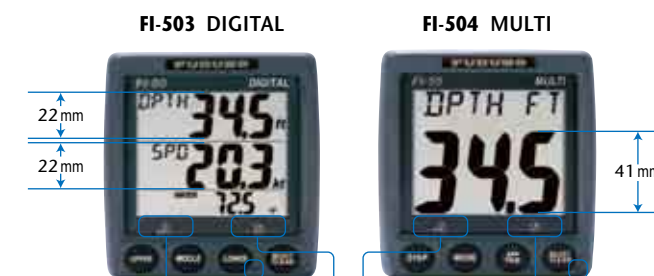
Flush mount installation with optional front panel

The units are designed to match the NavNet 3D series and other navigation equipment. The "Plug and Play" system utilizes CAN bus 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 are printed directly on the front panel.



Operational guide description 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.

