

# Instruments IS20



## Multi function Instruments - clear, concise data with excellent precision

The new Simrad IS20 multifunction instrument series features the SimNet data bus and active sensor technology, providing unsurpassed performance and ease of use.

Precision sensor technology provides raw data to advanced software at the instrument head for confidence in the data you see.

Easy to see and use in any light conditions

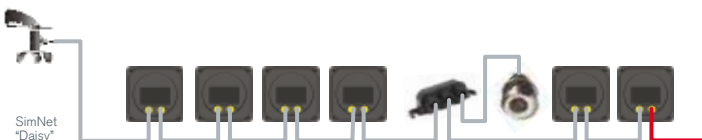
- high contrast LCD
- large control buttons
- illuminated dials and buttons
- red backlight for night vision
- white backlight for dusk or low light condition

Simple installation - plug and play integration - save time and cost

- No need for access on the inside of the console or dashboard
- Remove the four corner caps, screw the instruments into the prepared space and replace the caps
- Plug and play with Simrad Intelligent Marine Network - SimNet
- Slim line connectors for easy cable routing
- Connect the IS20 instruments and sensor in any order



'Daisy chain' the IS20 instruments and sensors in any order



With Simrad IS20 you will experience new technology that makes installation and integration much easier than with traditional instrumentation systems.



The DST800 SimNet sensor utilizes a brand new Active Sensor Technology, providing depth, temperature and speed data from a single through-hull sensor. The sensor operates via SimNet which allows you to connect it to any of the IS20 instruments regardless of location or function.



The IS20 Wind Vane provides wind speed and wind direction via SimNet. Like the depth sensor, you can connect it to any of the IS20 instruments regardless of location or function and enjoy system wide wind data.

IS20 comes in both digital and analog depending upon function and use.

## IS20 Digital Instruments

The IS20 Digital instruments provide an assortment of graphic trend indicators and sophisticated navigation data on a large, high contrast, dot matrix display, providing easy viewing in all light conditions.

### IS20 Graphic- view all data from one screen

The IS20 GRAPHIC multifunctional instrument is ideal as a dedicated instrument for yachtsmen. The capability to quickly toggle between the display pages makes IS20 GRAPHIC a flexible and universal performance instrument.

Choose from 8 user configurable easy to read data pages on one screen, including:

Speed, depth, wind, log, timer and vessel data

The IS20 Graphic instrument can easily be operated as a multifunction SimNet or NMEA0183 repeater, which makes it ideal for connection with other electronic products from Simrad or any other marine electronic manufacturer.



### IS20 Combi - read data from 4 preconfigured data pages

- Depth, choose between metres, feet or fathoms
- Speed, choose between knots, mph or kmph
- Temp (choose between Fahrenheit or Celsius)
- Trip Log Data

Use as standalone with the DST800 active SimNet transducer - or integrated in IS20 multifunction system.



## IS20 Analog instruments

The IS20 analog instruments provide classic style, easy to read needle pointer and center mounted high-contrast LCD display. Combined with precise Micro Stepper-Motor technology and four control buttons, the IS20 Analog Instruments are exceptionally precise and easy to use.

### IS20 Wind - view the wind speed and wind angle

The IS20 analog wind system includes the IS20 high performance SimNet Wind Vane. A highly advanced Kalman filter insures superior accuracy and fast reaction time to change in wind speed and direction.

- Apparent and True wind angle and wind speed
- VMG (Velocity Made Good)
- High performance SimNet Wind Vane
- Advanced Kalman Wind Filter



### IS20 Tack - same function as IS20 Wind - view of magnified details

A must for day cruisers and club racers who want to sail even closer to windward and when sailing close hauled.



### IS20 Compass

The IS20 Compass System provides a precise 360° analog and digital heading readout.

- Gives you the accurate course and deviation from locked course
- Cross Track Error (XTE)
- FC40 Fluxgate Compass sensor



### IS20 Rudder

The IS20 Rudder Instrument provides precise readout of the rudder angle which makes it invaluable when docking your boat or using it to trim your boat to the least rudder resistance while sailing. The system includes rudder display and rudder angle sensor.



Additionally the instrument is capable of displaying compass heading, cross track error and deviation from locked course when connected to the IS20 Compass system or a SimNet compatible autopilot.