WI80 Wind Indicator

A large format, multi-mode wind display for the professional user that provides real time information on wind speed and direction via both analogue and digital displays for maximum clarity.
The WI80 ensures that critical wind data can be monitored in the most intuitive fashion via simultaneous display in two complementary formats. As part of the IS80 instrument range from Simrad it sets the very highest standards in reliability and accuracy and is ideal for long periods of continuous use in all conditions.

Interfacing the WI80 with other systems is straight-forward with a high level of compatibility. Wind data is accepted via NMEA0183 or SimNet, valid data received via NMEA0183 is then re-transmitted onto SimNet for use by additional system displays. The SimNet network also allows the lighting of the whole system to be controlled centrally.

▶ **WI80 Wind Indicator**

PRO WI80 KEY FEATURES

▶ Analogue Wind Angle – True, Relative or Geographic references

▶ Digital wind speed – knots, m/s, km/h, mph or Beaufort

▶ Bargraph indicator displays gust strength and direction

▶ Alarms for wind speed, shift and direction

▶ NMEA0183

▶ SimNet which is signal compatible with NMEA2000

Part Number	Description
27107531	WI80 Wind Indicator
27107754	Outdoor Kit for IS70/IS80

WS80 ULTRASONIC WIND SENSOR

The highly innovative ultrasonic measuring principle with no moving parts gives accurate and reliable performance without any wear-out problems and without requiring regular service.
The WS80 has four built-in heating elements to prevent snow and ice from building up, and is well-suited for all types of vessels/applications, ranging from fishing to dynamic positioning systems.
An obvious choice if you want high performance and reliability – not low-cost/high-maintenance!
When combining the robust WS80 static wind sensor with the WI80 wind instrument, you get the best wind measuring system for maritime use available on the market today.
Several displays can be placed on different locations onboard the ship, all working from the same WSS sensor and connected by the SimNet CAN network.
The systems can also provide NMEA0183 serial data to other navigation equipment onboard.

▶ **WS80 Wind Sensor**

PRO WI80 KEY FEATURES

▶ Accurate measures of wind speed and direction

▶ IP66 housing

▶ Intelligent heating prevents icing up

▶ Working temperature down to -52 degrees Celcius

▶ Well-proven and robust technology

▶ Extensive field tests in rough weather in the North Atlantic

Part Number	Description
000-10163-001	WS80 Wind Sensor

Technical Specifications

▶ IS80 GENERAL SPECIFICATIONS

DISPLAY

Display Type	Analogue
Backlighting Type	Adjustable red LED, illumination (10 steps, lighting zone configurable)

IS80 MECHANICAL

Construction	ASA/PC Luran S
Width	172 mm (6.8 in)
Height	172 mm (6.8 in)
Mounting	DIN43700 cut-out

ENVIRONMENTAL

Sealing	IP66 (front, full IP66 requires outdoor kit)
Humidity Range	95% RH (max 30d/year)
Operating Temp	-15°C to +70°C
Storage Temp	-40°C to +80°C

POWER

Power Supply	12–24 VDC (SimNet 12V only)

▶ WI80 SPECIFICATIONS

DISPLAY

Display Type:	Digital/Analogue/Bar
Backlighting Type:	Adjustable red LED illumination (10 steps, lighting zone configurable)

MECHANICAL

Construction:	ASA/PC Luran S
Width:	172 mm (6.8 in)
Height:	172 mm (6.8 in)
Mounting:	DIN43700 cut-out

ENVIRONMENTAL

Sealing:	IP66 (front, full IP66 requires outdoor kit)
Humidity Range:	95% RH (max 30d/year)
Operating Temp.:	-15°C to +70°C
Storage Temp.:	-40°C to +80°C

POWER

Power Supply:	12–24 VDC (SimNet 12V only)
Power Consumption:	<5W

OTHER

Compass Safe Distance:	400 mm (16 in)

▶ WS80 SPECIFICATIONS

POWER

Power Supply:	12–24 VDC (9.0…31.2V DC)

OTHER

Interface:	Combined RS485 and NMEA0183 operation