Wind Speed and Direction System

The Walker 2080 MK2 uses a Solid State Ultrasonic Wind Speed & Vane Direction Sensor, the P292. This gives high accuracy in a robust compact package... with no moving parts to wear out!

The Sensor connects directly to a standard Walker DIN 144 wind speed & direction indicator, the P1249, which gives digital displays of relative wind speed & direction. Wind direction is also displayed on a simulated analogue display by use of OLED technology.

True wind systems are available by using this sensor with the Walker P1066 True Wind Interface Unit.
**Specification**

**System**
The sensor converts wind speed and direction into serial digital data. Data is displayed by the P1249 Indicator in digital format and also in analogue for wind direction. The instrument interfaces in NMEA 0183/RS422 to other ship systems. Sentence – MWV

**Sensor**
Mounting by base flange, with 3 elongated slots.
Sealed to IP65 (when correctly mounted)
Weight: 1.6 Kg
plus 3kg for 40 metre cable and connector assembly.

**Indicator**
Standard DIN 43700 case; 144 x 144 mm – depth 110mm
Weight: 1.2 Kg
Mounted by panel clips or drilled frame supplied.
Cables: 4.5 to 7 mm dia.
Controls: Illumination
Lamp Test
Select Units, Knots, Metres/Sec and Kilometres/Hour.
Front panel splash proof when installed correctly.

**System Parameters**

**Input voltage:** 24v DC  40mA

**Wind Speed Measurement:**
- **Range:** 0–120 knots
- **Accuracy:** +/- 2% (@ 24kts)
- **Resolution:** 0.01 knots

**Wind Direction Measurement**
- **Range:** 0°–359°
- **Accuracy:** +/- 3° (@ 40 kts)
- **Resolution:** 0.1°

**Environmental Operating Temperature:**
- **Sensor:** -35 °C to +70 °C
- **Indicator:** 0 °C to +55 °C

**Storage Temperature:**
- **Sensor:** -40 °C to +90 °C
- **Humidity:** <5% to 100%

**Option:**
2080 Mk2 Wind Speed & Direction True System, P1066 True Wind Interface Unit

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**Walker 2080 Mk2 Wind Speed & Direction System, using P292 Combined Sensor Unit**

**Indicator Type Approved to EMC European Directive IEC 60945**

In accordance with our policy of continuous development, changes may be made from time to time without prior notice.