

# Walker 2080 Mk2



## Wind Speed and Direction System

The Walker 2080 MK2 uses a Solid State Ultrasonic Wind Speed & Vane Direction Sensor, the P293. This gives high accuracy in a robust compact package... **with no moving parts to wear out!**

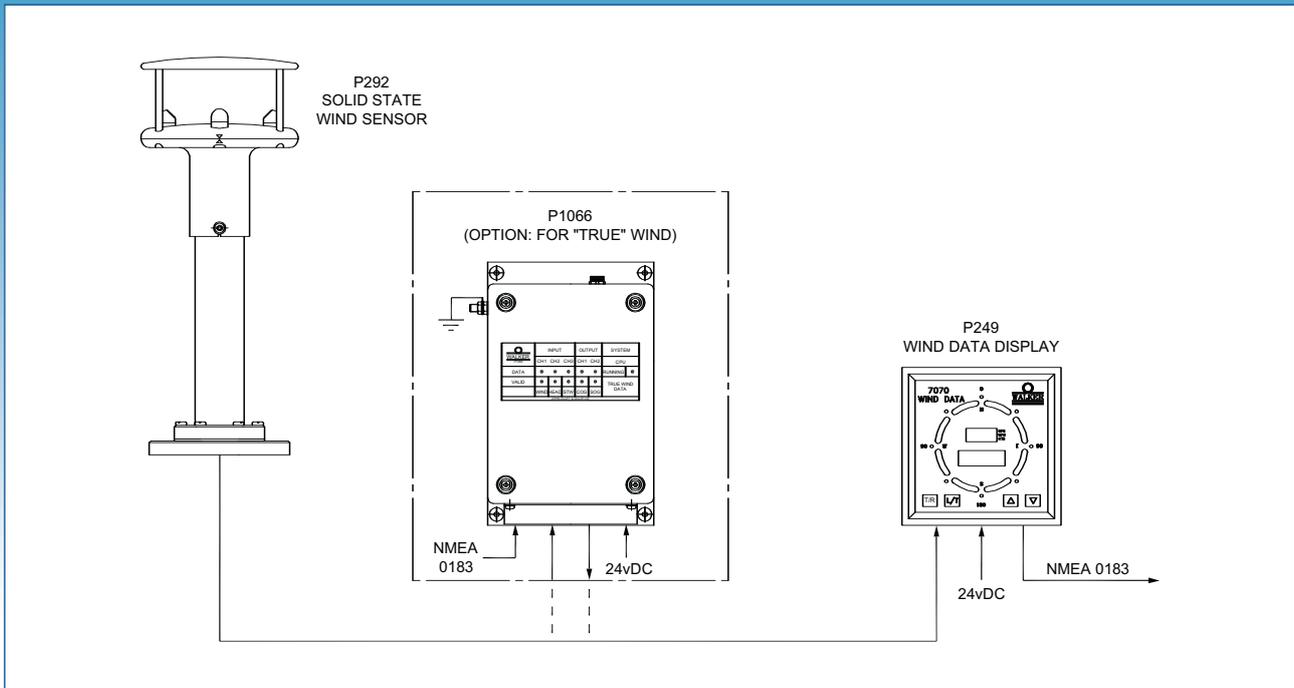
The Sensor connects directly to a standard Walker DIN 144 wind speed & direction indicator, the P249, which gives digital displays of relative wind speed & direction. Wind direction is also displayed on a simulated analogue display by 72 LEDs.

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

**Proven Accuracy and Reliability**



EST. 1838



## Specification

### System

The sensor converts wind speed and direction into serial digital data. Data is displayed by the P249 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.  
Connection by three cable glands to rear connection box.  
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.

**CE** 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.

## Walker 2080 Mk2 Wind Speed & Direction System, using P293 Combined Sensor Unit

### 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

