

Walker 2040



Merchant Ship Wind Data System

Walker 2040 is a proven wind system designed for use on all types of vessel. The system utilises matched twin wind speed and direction masthead units featuring bolt on or weldable mounting, which simplifies installation. The two functions may be installed independently.

The display instruments are of standard industry DIN 144 size and feature large analogue readouts similar to those used on Walker 2050 and 2060 systems.

The indicators incorporate integral through-dial back illumination with integral dimming control. Pointer tips are illuminated by beta lights.

 Type Approved To EMC European Directive IEC 0945

 **THOMAS GUNN** navigation services
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Features

- Separate speed and direction sensors of robust construction
- Lightweight and compact
- Simple to install
- Large industry standard DIN 144 displays with integral dimming
- Displays available for relative measurement to ships head or true measurement with cardinal points for fixed site installations
- Alarm box available for pre-set or adjustable maximum wind speed signalling

Masthead Units

Speed:

A rotating cup unit transducer is of generator principle and is mounted on a bolt-on or weldable stainless bracket. 20m screened cable, longer lengths are available to order, at extra cost.

Direction:

The vane unit contains a precision 360° rotatable 'desynn' potentiometer which connects to the direction indicator via the 20 metre cable supplied with the masthead unit, longer lengths are available.

Displays

Speed:

The speed display indicator contains a 240° analogue movement calibrated 0-80 knots and Beaufort scale as standard. Alternative speed ranges available to special order.

Direction:

A 360° freely rotating 'dc' synchro drives the indicator pointer in phase with the wind vane in the masthead unit. The dial is calibrated relative to ships head $\pm 180^\circ$.

Other dials are available for fixed site installations calibrated 0-360° with cardinal points.

Power Supply

The system can be configured to operate from 110/220v AC, or 24v DC supply to special order. Supplies must be specified when ordering.

ALTERNATIVE WALKER WIND DATA SYSTEMS

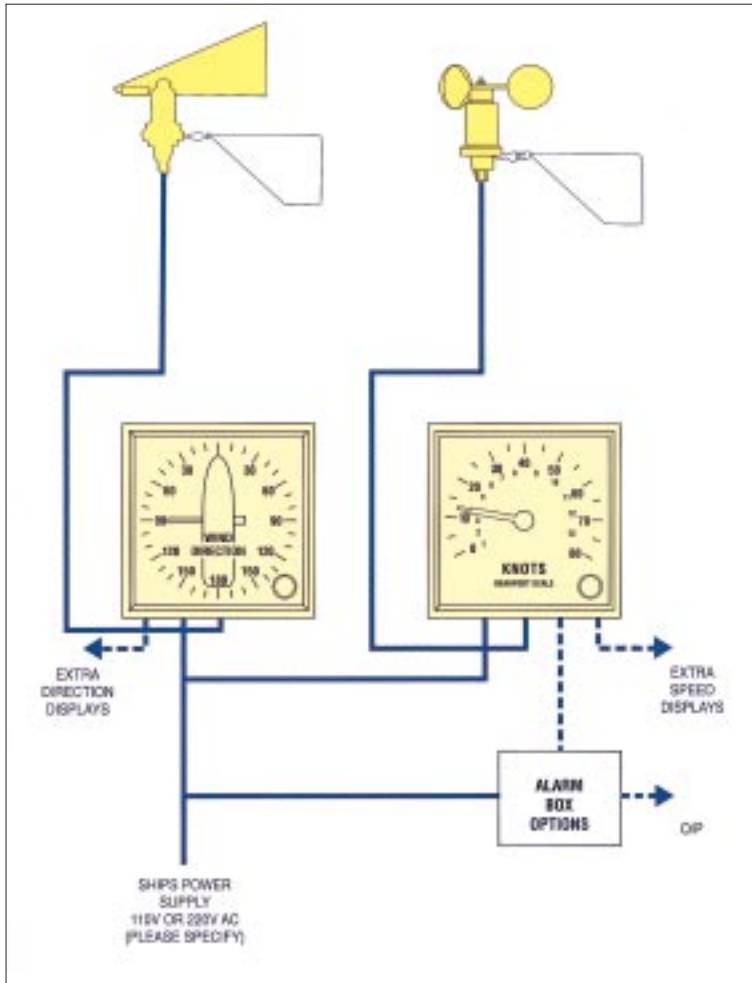
2060

Large Vessel and Commercial Wind Data

System. For heavy duty and/or high speed use.

2050

Combined Masthead Wind Data System.




Merchant Ship Wind Data System

Walker 2040

Walker 2040 is a proven wind speed and direction indicator which integrates the generator principle anemometer cup unit, design potentiometer type vane unit, and the wind speed and wind direction indicators as used in the Walker 2050 and 2060 systems. These indicators are 1 44mm square size to DIN 43700 pattern.

This system meets the requirements for a twin masthead fixing.

The Walker 2040 is lightweight, compact and is simple to install and provides an attractive, cost effective solution to the need to accurately measure wind speed and direction, for merchant and military vessels.

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Installation

Mechanical Dimensions:

Wind Speed Masthead Unit.
301.7mm x 206mm x (178mm turning Ø)
Wind direction masthead unit
339.7mm x 245mm x (254mm turning Ø)
Indicator displays DIN 1 44
1 44mm x 1 44mm x 05mm

I.P Rating:

Masthead Units (P65 (correctly mounted)
Indicators: (P52)

weights

Wind Speed Masthead Unit: 0.5 Kg
Wind Direction Masthead Unit: 0.5 Kg
DIN 144 Indicators: 1.4kg each (approx)
Weight of Cables not included

Electrical Requirements

Power Supply: 11 O/220v AC 50/60Hz
Must be specified when ordering
24v DC available as an extra cost option. Must be specified when ordering.

Power

Requirements: 1 0 VA (AC) or 6W (DC)

System Specification

Accuracy: Speed: 3% FSD, 0-80 knots
Direction + 3 from true alignment

Displays: Analogue
Speed: 240 meter movement
Direction Full 360 rotation
Illumination, dimmable (red)

Masthead Unit: Speed: Rotating cups
Direction Wind Vane
Cable: Standard 20 metres, (longer lengths available)

Interfaces

Speed: Connections for up to two additional indicators.
Connection to optional alarm box for max speed signalling by passive relay contacts.

Direction: Connections for up to two additional indicators



Proven Accuracy
and Reliability

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