

Walker 2020



Wind Indication for Small Ships

Walker 2020 Wind Speed and 2020 Wind Direction Systems are proven worldwide on military and commercial vessels. The two functions may be installed independently, as separate transducers and indicators are used.

Rugged Indicators are provided which feature polymer cases with moulded-in glass, providing a 'front waterproof facility. Integral through-dial backlighting is used, supplemented by beta light illuminated pointer tips.

Indicators are designed to operate on 12 volts D.C. or 24 volts D.C. with a dropping resistor in the wind direction power supply. Backlighting may be connected to 12 or 24 volt supplies by selection of alternative connection terminals.

 Type Approved To EMC European Directive IEC 0945



THOMAS GUNN navigation services
SERVING THE SHIPPING INDUSTRY WORLDWIDE

Features

Wind Speed

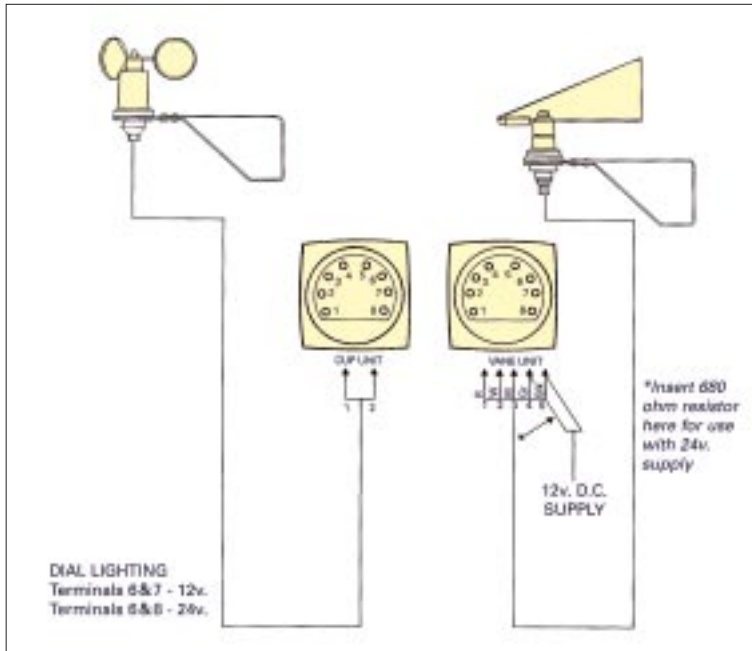
The anemometer cup unit transducer is of generator principle and is mounted on a bolt-on or weldable stainless bracket. The 20 metre screened cable is fitted by plug and socket into the cup unit for ease of installation.

The Standard Indicator dials are calibrated 0-50 kt/Beaufort scale, but 0-30 m/sec may be specified, or 0-80 mph. Special requirements can also be arranged

Wind Direction

The vane unit transducer uses a desynn potentiometer for full 360 degree transmission, and may easily be unclamped from its stainless bracket in order to align to Ships Head. The 20 metre cable assembly has a military pattern plug to connect to the socket within the vane unit.

The Standard Indicator dials are calibrated 0-180-0 from ships head, but dials with cardinal points are also available, for static applications.



System Specification

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|------------------------------|---|
| Displays: | Analogue indicators housed in 'Front waterproof' cases |
| Dimensions: | Indicators each 120.6mm x 84mm Cup Unit 301.7mm x 206mm Vane Unit 339.7mm x 245mm |
| Power Supply: | 12 or 24 Volt D.C. |
| Operating Temp Range: | -15°C to +55°C |
| Dial Range: | 0-50 Knots. 0° 180° - 0° |
| Optional Outputs: | For up to 2 additional indicators of each type |
| Weights: | Cup unit 0.5 kg Vane unit 0.5 kg Indicators 0.48 kg Cables extra |
| Accuracy: | Speed 3% FSD Direction $\pm 3^\circ$ from alignment |
| Options: | Alarm control box Other dial ranges |

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Thomas Walker's renowned range of Marine Wind Measurement Systems is also available with dials scaled for static and landbased installations, and featuring a wide selection of additional functions. Applications include cranes, buildings, oil rigs, club houses, air control towers, factories etc.

Walker's 2020 Wind Measurement Systems may be supplied with wind speed indicators scaled in miles-per-hour; or metres-per-second. Similarly, wind direction indicators are available with 360 degrees and compass rose (cardinal point) dial.

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Alarm Conditions

All walker systems may be supplied with a wind speed alarm control box. Alarm controls may be arranged to suit individual requirements.

- Factory-set or adjustable wind speed
- Adjustable alarm scale on front panel, or concealed within alarm box
- Non-latching; or latching relay where the alarm must be manually cancelled by push button on the alarm control box
- Power to the control box may be specified as 240v A.C., 12v D.C. or 110v AC.

The alarm control box provides relay contacts which may be used to operate such siren bells or lights as are appropriate to the installation. Relay contacts are rated at: 5A at 30v D.C. 1A at 110v AC. 0.5A at 230v A.C.



WALKER
MARINE INSTRUMENTS
Proven Accuracy
and Reliability

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