Meteorological TFT WindDisplay™

Wind Speed Indicator & Wind Display

Key Features

- **Digital Output**
- **0-359º wind direction**
- **2/10 Min & User Average**
- **Wind Variation**

- **Maximum Gust**
- **M/S, Knots, MPH, KM/H & Beaufort**
- **Auto/Manual/Optional Remote Brightness Control**
- **Resolution WVGA 800x480**

The Meteorological TFT WindDisplay is a combined wind speed and direction indicator. Wind information is displayed using on a 8.5" LED backlight, industrial grade, LCD screen and the data will be indicated with a true viewing angle of 170⁰.

The Meteorological TFT WindDisplay has been designed to operate with the WindObserver and WindSonic wind sensors. Meteorological TFT WindDisplay receives data directly from the wind sensor in NMEA mode without the need for additional interfaces. It provides the power supply for the wind sensor and can be "daisy chained" to a second wind display to transfer wind sensor information.

Also suitable for 144x144 mm instrument replacement (portrait or landscape)[1]

DISPLAY

Speed Display	Central, 3 digit, 11mm height
Gust Display	3 digit, 8mm height
Average	2 minutes, 10 minutes, User defined
Other	Wind Variance

WIND SPEED

Units	mph, m/s, knots, km/h, Beaufort

DIRECTION

Direction display	Left hand side, 3 digit, 8mm height
Direction average	Grey arrow indicator on the display and value in the direction display

INPUT /OUTPUT

Input	NMEA (output from Gill anemometer)
Output	+15 VDC Sensor supply RS422 daisy chain output
Formats	NMEA 4800 Baud

[1] Requires a spacer for 144x144 cut-out (retrofit)

POWER REQUIREMENT

Power supply	100 to 240 Vac, 50/60 Hz, max 50 VA. Option for 18-32Vdc

MECHANICAL

Size	238 x 148.5 x 71mm
Weight	1.2kg

ENVIRONMENTAL

Humidity	10% to 93% RH
Operational Temperature	-15ºC to +55ºC
Moisture Protection	IP22
EMC	ESD IEC 61000-4-2 Radiated Immunity IEC 61000-4-3 Conducted Immunity IEC 61000-4-6 Fast Transients IEC 61000-4-4 Surge IEC 61000-4-5

ACCESSORIES

Remote brightness facility

Typical Applications

- **Meteorological/Hydrological**
- **Aviation/Industrial/Transport/Construction**

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