

The YOUNG ELECTRONIC COMPASS/SERIAL INTERFACE provides accurate magnetic heading indication for use with Young wind direction sensors.

Ideal for mobile and portable applications, the 32500 Electronic Compass/ Serial Interface utilizes the proven Vector 2X compass module for accurate magnetic heading data. The compass module is combined with high-resolution interface circuitry to generate useful "true" wind data from the wind sensor. Auxiliary sensor inputs allow connection of other meteorological sensors such as temperature, humidity and barometric pressure sensors. All analog signals are converted to serial format for clear transmission.

For stationary applications not requiring a compass, Model 32400 Serial Interface offers the benefits of serial output without the compass circuitry. The serial interface greatly simplifies connection of meteorological sensors to recording electronics with serial inputs. By transmitting the signal in serial form, sensor data can be carried over great distances using a minimum number of conductors. The digital signal is more resistant to electrical interference and errors from line losses.

Each model is supplied in a weather-resistant enclosure. Model 32500 comes with a mounting adapter to fit on the same vertical mast as YOUNG wind sensors. Model 32400 has a convenient clamp for attachment to round pipe.



Specifications

Size:

4.75 in (12 cm) H
2.87 in (7.3 cm) W
2.12 in (5.3 cm) D

Resolution:

1 degree azimuth

Accuracy:

±2 degrees RMS

Inputs:

YOUNG wind sensors
2 channels, 0-1000 mV
2 channels, 0-5000 mV

Outputs:

Serial RS232 / RS485
Selectable formats: ASCII Text, NMEA,
RMYT compatible with 06201 display.

Oper. Temp:

-50°C to +50°C

Power:

10 to 30 VDC, 30 mA

Mounting:

1" IPS (1.34" actual diameter)

Other:

Self calibration mode for compass

Ordering Information

MODEL

ELECTRONIC COMPASS / SERIAL INTERFACE	32500
SERIAL INTERFACE ONLY	32400

Specifications subject to change without notice.



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