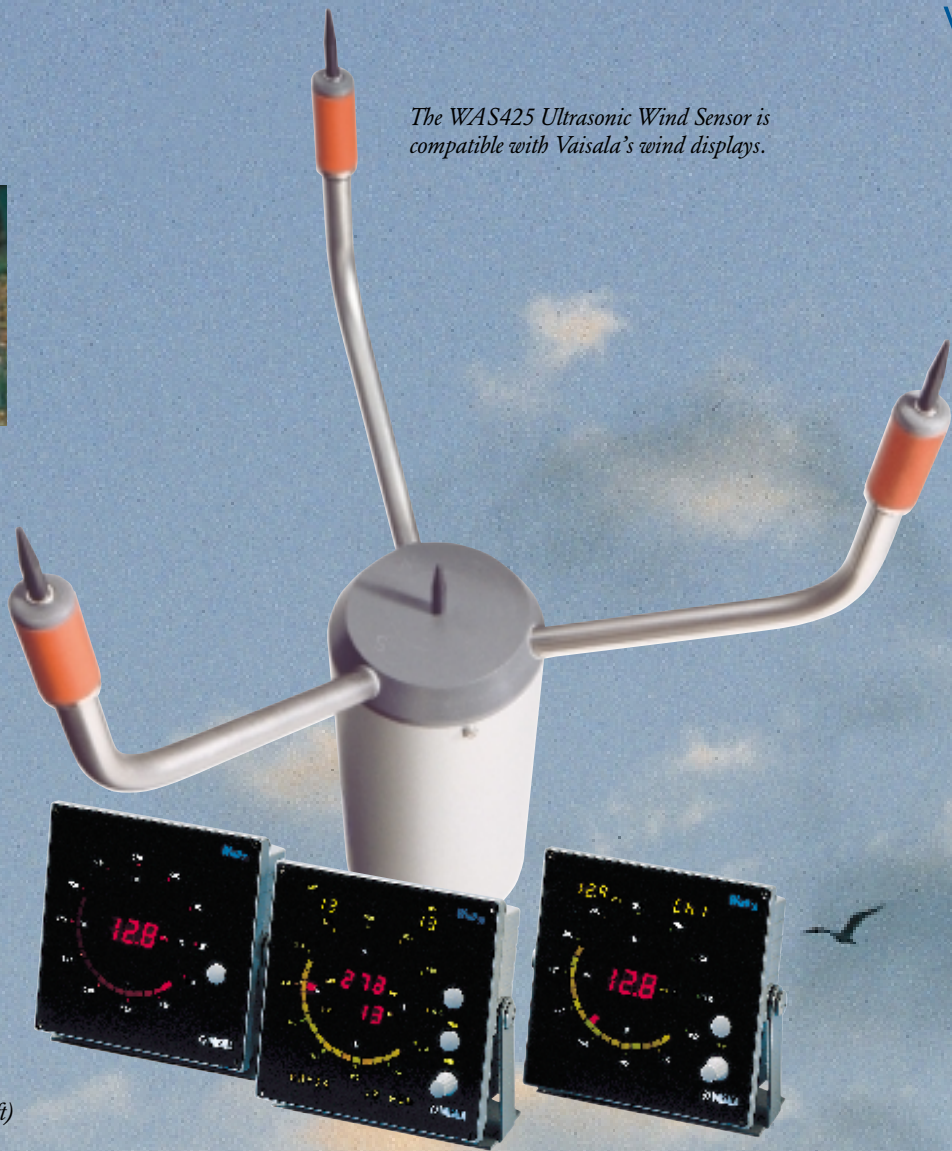*The WAS425 Ultrasonic Wind Sensor is compatible with Vaisala's wind displays.*

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Vaisala's wind displays (from the left) the WD20, WD50 and WD30.

Compatible wind product family

New WAS425 Ultrasonic Wind Sensor Goes with Wind Displays

The new WAS425 Ultrasonic Wind Sensor is fully compatible with Vaisala's WD20, WD30 and WD50 wind displays. It is also possible with the DR23 digital recorder to get a print-out of the data.

Easy integration

It is easy to integrate the new WAS425 Ultrasonic Wind Sensor into existing wind systems. The WAS425 Ultrasonic Wind Sensor supports Vaisala's standard wind messages, facilitating flexible integration with existing and old Vaisala displays and wind measurement systems. The basic system with the WD30 wind display uses the standardized NMEA MVW message, with checksum verification. The reliability of the data transfer is also of very high quality.

For multichannel systems, it is possible to define separate identifiers for each sensor. The sensor settings can be made as easily as with other wind family members. The only thing needed is a computer with a serial communication program.

An RS232 interface is available for configuration and short distance connection with the wind display, while for longer distances either the RS485 interface or an external modem may be used. With the WD30 display it is possible to build up a measurement system with four sensors. Even more sensors can be integrated into the system with the WD50 display.

Clear data presentation with different models

The most economical display solution for the new WAS425 Ultrasonic Wind Sensor is the WD20 display with a single sensor and only an instant data display. The WD30 gives average displays of 2 and 10 minutes, up to 4 measurement channels and a communication module place for a DMX501 modem. For airport installations, the WD50 allows even more sensors. It has 2 communication module places and a clear text field for measurement site identification.

In all displays, the wind direction is shown by a clear led circle, and speed by a numeric display. Several displays can also be connected into the system as well as a DR23 digital recorder to get a print-out of the data. ∎