

Weather Transmitter WXT530 Series

COMPACT, AFFORDABLE PACKAGE







Vaisala Weather Transmitter WXT530 series is a unique collection of cost-effective sensors that accurately and reliably measure weather conditions. They can capture any combination of wind, rain, temperature, and barometric readings in a compact, affordable package.

WXT530 models utilize solid state technologies that minimize operating and maintenance costs. Digital and analog interfaces make for easy, flexible integration, and third-party sensors can be connected to select WXT530 models to create your own weather parameter hub.

BUY NOW

MEASURE WHAT YOU NEED

Option	 Rainfall	 Wind Speed	 Wind Direction	 Air Pressure	 Temperature	 Humidity
WXT531	•					
WXT532		•	•			
WXT533	•	•	•			
WXT534				•	•	•
WXT535	•			•	•	•
WXT536	•	•	•	•	•	•

The WXT530 series measures six of the most important weather parameters: air pressure, temperature, humidity, rainfall, wind speed, and direction in various combinations.

Simply determine the conditions you need to measure, and you'll find the perfect fit from the wide range of models available. All models offer a heated option for cold weather accuracy.

BUY NOW

EASY INTEGRATION & EXPANSION

The WTX530 series transmitters make a great cornerstone of any cost-effective weather monitoring system. They are compact, easy to install, and almost effortless to maintain.

With the WTX530 series, you have a wide range of digital and analog communications connection options to choose from. Analog input options for additional third-party sensors enable expansion of the array to include solar radiation, water and snow levels, and external temperature sensors.

The new Modbus RTU interface enables easy integration with automation, instrumentation, and control systems in various industrial applications. All WTX530 models integrate into third-party data collection platforms with ease.

BUY NOW

DURABILITY & RELIABILITY

WXT530 Series focuses on maintenance-free operations in a cost-effective manner. With no moving parts, WTX530 models are durable, can be calibrated in the field, and require very little maintenance. These transmitters leverage unique Vaisala solid state sensor technology that includes:

- WINDCAP® ultrasonic wind sensors to determine horizontal wind speed and direction
- An easy to change PTU module using capacitive BAROCAP® sensor for barometric pressure

- HUMICAP® R2 sensor for humidity and resistive platinum sensor for air temperature
- Acoustic RAINCAP® sensor to measure precipitation without flooding, clogging, wetting, or evaporation losses

BUY NOW

Industry Applications



Maritime

Ensure safety and efficiency onshore and offshore with complete maritime weather management solutions; air quality, sea state, and helideck monitoring; and ship instrumentation.



Meteorology

Protect people and communities from the impacts of day-to-day and extreme weather with the industry's most accurate and reliable weather observation solutions.



Urban Environment

Boost situational awareness and improve quality of life with cutting-edge air quality monitoring solutions, road asset management, and accurate weather modeling for drones.

Meteorology Newsletter Sign Up

Stay up to date with the latest Meteorology products, trends, events and information that is relevant to you.

[SIGN UP TODAY](#)

Resources

PRODUCT SPOTLIGHT



Learn how the flexibility of the WXT530 series can affordably deliver your perfect mix of weather data.

METEOROLOGY: WEATHER TRANSMITTER WXT530 SERIES

PRODUCT SPOTLIGHT



Read about the onshore, offshore, and shipboard applications of the WXT530 series and how it provides reliable weather data 24/7.

MARITIME: WEATHER TRANSMITTER WXT530 SERIES

USER GUIDE

User guide for the WXT530 series of products.



Weather Transmitter WXT530 Series

ORDER FORM

Order form for the Vaisala WXT530.



WXT530 Order Form

MORE DOWNLOADS

Click here to explore additional product resources for WXT530.



WXT530 Product Support & Scientific Downloads

Technical documents

DATASHEET

See how the WXT530 series allows you to choose what is right for your application.



Weather Transmitter WXT530 Series

DATASHEET



Vaisala WINDCAP® Ultrasonic Wind Sensor WXT532 is designed for demanding applications where stable and inexpensive wind measurements are required.

WINDCAP® Ultrasonic Wind Sensor WXT532

CONFIGURATION TOOL

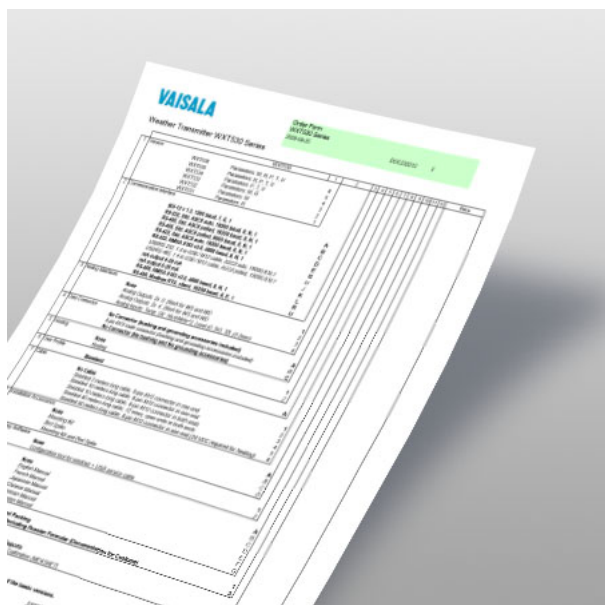
Configuration tool for the WXT series of products.



WXT Series Configuration Tool

ORDER FORM

Order form for the Vaisala Weather Transmitter WXT530 series.



Weather Transmitter WXT530 Series

Success stories



Containing Wind Risk On Canadian Railways

SUCCESS STORY: Explore how Vaisala is helping Canadian National Rail monitor wind conditions and alert engineers about dangerous conditions.

[READ MORE](#)



Measuring Weather At The World's Highest Airport

SUCCESS STORY: Discover how an AWOS was applied to meet the extreme weather challenges of China's Daocheng Yading Airport.

[READ MORE](#)

Get Started with the Weather Transmitter WXT530 Series Today

Contact Vaisala to learn how to get the perfect combination of weather parameters for your specific needs at a price that is right for your budget.

[CONTACT US](#)