

Digital Barometer PTB330

VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

Atmospheric pressure
measurement utilizing advanced
BAROCAP technology

According to the World Meteorological Organization (WMO), analyzed pressure fields are a fundamental requirement of meteorology. We are in full agreement. After all, barometric pressure is a key parameter for weather prediction, and the accuracy of atmospheric pressure data forms the basis of all reliable weather forecasting.



Key benefits

Sensor redundancy supports critical applications where accurate results are a must.

Advanced sensor technology leveraging single-crystal silicon material and capacitive structure to deliver absolute pressure measurement with low hysteresis, high repeatability.

Intuitive menu-based interface enables easy customization based on your specific informational demands.

Multilingual display supports English, German, French, Spanish, Swedish, Finnish, Japanese, or Russian.

Interface with six different time windows to analyze weather trends using historical data as far back as one year.

Wired or battery power with voltage supply ranges from 10 to 35 VDC, allowing for use in battery-powered applications.

Two alternative accuracy classes available to support both conventional and advanced applications.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

The Vaisala Digital Barometer PTB330 leverages our trademarked BAROCAP® sensor technology that combines absolute pressure measurement and exceptional accuracy with low hysteresis and long-term stability. Whether you are tracking the movement of local and regional weather fronts, generating historical models of high- and low-pressure systems, or monitoring developing severe weather for an early warning system, the PTB330 will deliver accurate barometric pressure readings under the harshest of conditions – even in space.

Applications:

- Generating reliable and accurate information regarding potential major changes in weather
- Enabling early warning systems to protect lives and property from potentially destructive weather events
- Tracking the progress of weather fronts
- Predicting upcoming and sudden changes in weather as indicated by changes in barometric pressure
- Defining the high- and low-pressure systems for generation of numerical weather models
- Automatic reporting of QNH and QFE reading for aviation users

