# HW group ®

# Temp 1Wire Pt1000

## Industrial precision sensor

High industrial accuracy

IP 67 protected

High temperature resolution of 0.1 °C

Wide temperature range (-50 °C – 200 °C)

Affordable price

Can be calibrated in 8 points

Frost version available (-200 °C – 160 °C)

Compatible with: Poseidon2, HWg-STE / STE2, HWg-Ares, SD and NB devices

*If you need the best sensor for industrial applications, the Temp 1Wire Pt1000 is the right choice. The Pt1000 sensor offers high accuracy over a wide temperature range, long life and IP67 protection. The sensor is connected directly to the 1-wire bus without the need of an additional converter.*

The sensor is supported by all HW group devices that feature a 1-wire sensor port. Calibration is possible in 8 points using the HW group Calibrator device.

The Temp 1Wire Pt1000 is an ideal temperature sensor for storages, food processing, freezers, medical and laboratory environments, agriculture and many other industrial applications.

The HW group monitoring system can be used for regular audits of measured values as well as for monitoring critical temperatures and alarming.

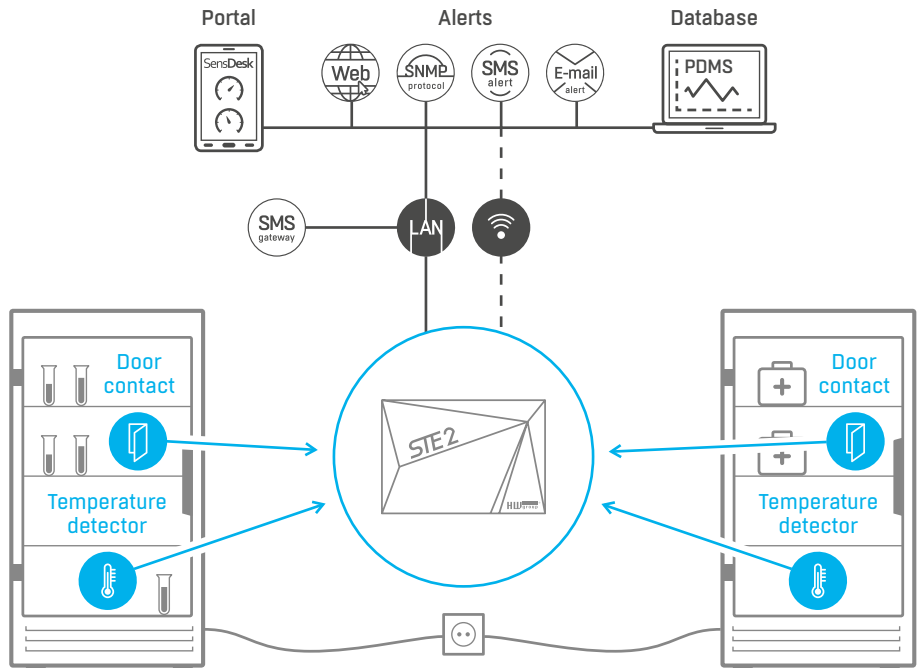| Technical parameters | |
|---|---|
| Temperature | -50 °C up to 200 °C (-200 °C – 160 °C Frost version available) |
| Accuracy | ±(0,25 + 0,002|t|) |
| Resolution | 0.10 |
| Protection | IP67 |
| Cable length | 3 m |
| Calibration | Yes, in 8 points |

Offering high precision at an affordable price, the Pt1000 sensors are designed for demanding industrial applications, where wide temperature range is critical, data needs to be collected for audits and sensors need to operate in a demanding environment.

Setting up the HW group system takes just a few clicks. Sensors are autodetected and the device's web interface allows easy setup for all kinds of data visualizations. With the free SensDesk.com portal you can have the data visualized in just a few minutes from unpacking the device.

For more advanced applications we offer units with wide range of M2M protocols including SNMP, Modbus TCP, MQTT, XML, HWg Push and more. HW group devices are also supported by many 3rd party applications and clouds.

## Temperature monitoring in freezers, food storages and medical applications

The STE2 device can monitor precise temperature in 2 independent fridges. 2 door contacts can be connected to see if the fridge door has been opened. The data can be visualized on our free IoT portal SensDesk.com. You can also create periodical reports and review data history. The data can also be retrieved from the device itself without the need for a portal. Email alarms can warn you when values are out of range. SMS alarms or calls are available when you connect the SMS Gateway device.



## Temperature monitoring in industrial applications and warehouses

The Ares devices can connect up to 12 Pt1000 sensors and send the data over GSM/GPRS or LTE. The Ares can also monitor many other environmental parameters, making sure your premises stay safe and monitored and you always have a good overview of what's happening. The data can be visualized on our free IoT portal SensDesk.com. You can also create periodical reports and review data history. The data can also be retrieved from the device itself without the need for a portal. Email, SMS and call alarms can warn you when values are out of range.