

# Temp-1Wire Pt100 Frost

Temperature sensor with industrial temperature range & precision.



-200 °C to +160 °C



IP 67 protected



Resolution of 0.1 °C



Can be calibrated in 8 points



High industrial accuracy

*If you need reliable temperature sensor for industrial cryo applications, the Temp-1Wire Pt100 Frost is the right choice. Temperature sensor based on high precision Pt100 probe offers high accuracy over a wide temperature range, IP67 protection and 8-point calibration. The sensor is powered from the RJ11 port, connect it directly to the 1Wire sensor port of HWg device.*

The sensor is supported by all HW group devices with RJ11 port (1Wire or 1Wire UNI). Calibration is possible in 8 points using the HW group Calibrator.

The Temp-1Wire Pt100 Frost 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 range	-200 °C to +160 °C
Accuracy	$\pm (0,25 + 0,002 t )$
Resolution	0.10 °C
Protection	IP67
Cable length	3m
Calibration	Yes, in 8 points

## Application examples

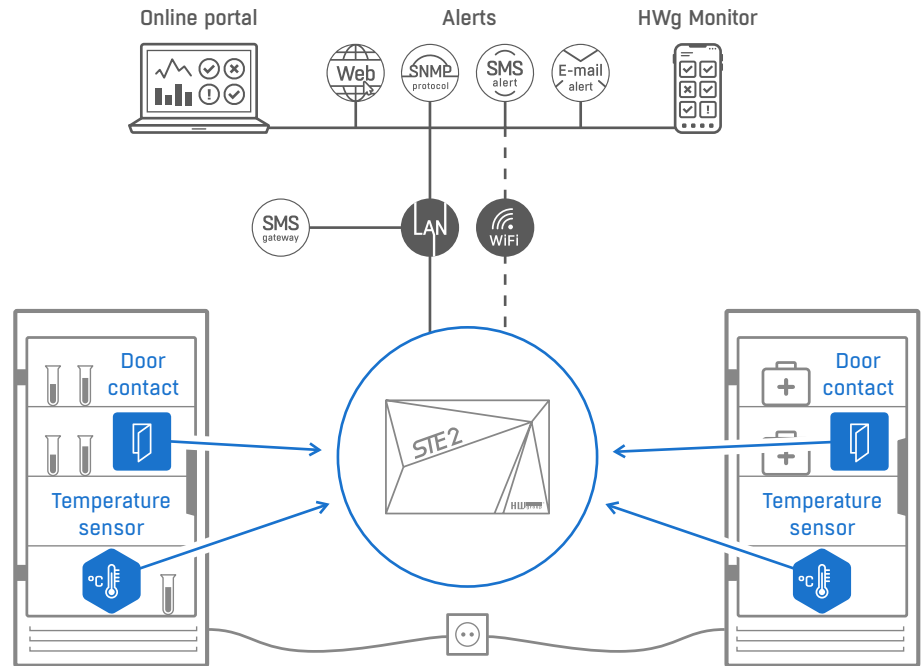
Offering high precision at an affordable price, the Pt100 sensors are designed for demanding industrial applications, where wide temperature range is critical, data needs to be collected for audits and sensors need to operate in a demanding environment.

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 3<sup>rd</sup> 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.



### Temp-1Wire Pt100 Frost is the ideal sensor for the cryo applications

