



## SensGuard DS1820 Sensor



|                          |                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Application              | Freezing/cooling equipment,<br>Food storage, Data center,<br>Heating and ventilation system,<br>Smart building, Laboratory |
| Temperature range        | -30°C ..+120°C                                                                                                             |
| Temperature probe length | 1.5 m                                                                                                                      |
| Measurement accuracy     | ±0.5°C                                                                                                                     |
| Measurement resolution   | 0.1°C                                                                                                                      |
| Measurement period       | 5 minutes                                                                                                                  |
| Battery type             | 2×AAA                                                                                                                      |
| Battery life             | 5 years                                                                                                                    |
| Communication frequency  | 868 MHz                                                                                                                    |
| Communication range      | Up to 150m                                                                                                                 |
| Data signal encryption   | AES128                                                                                                                     |
| Dimensions               | 67×67×25mm                                                                                                                 |
| Fixture                  | Double-sided adhesive tape                                                                                                 |

Remote temperature sensor with probe SensMax SensGuard DS18B20 is a wireless sensor for temperature monitoring in a range of -30°C and up to +120°C.

This temperature sensor works from standard AAA batteries for 5 years. The sensor measures temperature within ±0.5°C accuracy and 0.1°C resolution.

It has a 1.5m long temperature probe that helps to install it in hardly accessible spots. Temperature readings delivered to an online database every 5 minutes through LAN/Internet gateway.

Wireless temperature sensor DS18B20 can connect the data gateway in range of up to 150m.

### Features:

- Wireless temperature sensor
- Replaceable batteries
- Sensor probe

### Data delivery to a server using:

- SensGuard TCP LRX2 data gateway