



# Aranet PT100 Datasheet

## Aranet PT100 Sensor

|                                  |  |                                   |
|----------------------------------|--|-----------------------------------|
| Measurements                     | Temperature  |                                   |
| Line of Sight Range              | 3 km/ 1.9mi  |                                   |
| Operating environment            | Indoor and Outdoor use   |                                   |
| Transmitter power                | 14 dBm   |                                   |
| Frequency                        | Depends on base station instructions                                       |                                   |
| Measurement range                | Temperature  | -50°C (-58°F) up to 180°C (356°F) |
| Probe type                       | Class A PT100  |                                   |
| Temperature measurement accuracy | From +/- 0.7°C (1.2°F) @0°C (@32°F)<br>to +/- 1.0°C (1.8°F) @180°C (356°F) |                                   |
| Data Transmission                | Every 10 minutes   |                                   |
| Data Protection                  | Data encryption  |                                   |
| Power options                    | 1 AA Alkaline battery (Zn/MnO <sub>2</sub> )                               |                                   |
|                                  | 1 AA Lithium battery (Li/FeS <sub>2</sub> )                                |                                   |
| Battery life @20°C / 68°F        | Up to 7 y @ 1 reading per 10 min with Alkaline battery                     |                                   |
|                                  | Up to 10 y @ 1 reading per 10 min with Lithium battery                     |                                   |
| Operating temperature            | -20°C (-4°F) to 55°C (131°F) with Alkaline battery                         |                                   |
|                                  | -40°C (-40°F) to 60°C (140°F) with Lithium battery                         |                                   |
| Dimensions                       | 35mmØx120mm/ 1.4inØx4.7in  |                                   |
| Probe length                     | 1 m /3.2ft   |                                   |
| Weight                           | 88g/3.1oz with Alkaline battery (1m/3.2ft probe)                           |                                   |
|                                  | 79g/2.8oz with Lithium battery (1m/3.2ft probe)                            |                                   |
| Construction                     | ASA Plastic  |                                   |
| Protection class                 | IP68   |                                   |
| CE Marking                       | Yes  |                                   |
| Included                         | 1 AA Alkaline battery, string  |                                   |

**Terms of use** The Customer is obliged to guarantee the usage, maintenance and preservation of the Equipment at their own expense in a way that excludes the Equipment's theft, loss, destruction, harming and/or damaging (including as a result of mechanical damages, moisture, liquid related damages, lightning and/or other similar events).