



# PT100 EXT SENSOR



- 1 industrial grade temperature sensor
- 2 -190°C to 260°C range (-310°F to 500°F)
- 3 up to 10 years of battery life
- 4 IP65 casing
- 5 data transmission every 1, 2, 5, 10 minutes

monitors air, liquid, and solid surface temperature and is designed for extreme temperature sensing

## Aranet PT100 EXT Sensor Datasheet

Measurements	Temperature
Line of Sight Range	3km / 1.9mi
Operating environment	Indoor and Outdoor use
Transmitter power	14 dBm
Frequency	Depends on base station instructions
Measurement Range	-190°C to 260°C (-310°F to 500°F)
Temperature measurement accuracy	+/- 1.0°C @ -190°C    1.8°F @ -310°F +/- 0.7°C @ 0°C        1.2°F @ 32°F +/- 1.2°C @ 260°C      2.1°F @ 500°F
Response time	T63% - 45 seconds at 1 m/s airflow
Data Transmission	1, 2, 5, 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 years with Alkaline battery Up to 10 years with Lithium battery
Operating temperature	-20°C to 55°C/ -4°F to 131°F with Alkaline battery -40°C to 60°C/ -40°F to 140°F with Lithium battery
Dimensions	35mmØ x 120mm / 1.4"Ø x 4.7"
Weight	100g (3.5oz) w Alkaline battery w 1m(3.2ft) cable w PT100 probe 92g (3.2oz) w Lithium battery w 1m (3.2ft) cable w PT100 probe
Construction	ASA Plastic Sensor, PTFE probe cable
Probe length	1m (3.2ft)
Protection class	IP65
Marking	CE, FCC
Compatible base stations	Aranet PRO (from v1.4.0)
Included	1 AA Alkaline battery, string
Part number	TDSPT06.010 (EU), TDSPT06.010 (RU), TDSPT06.010 (NA)