



PT100 EXT SENSOR



- 1 industrial grade temperature sensor
- 2 -190°C to 260°C range (-310°F to 500°F)
- 3 10-year 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 ₂) 1 AA Lithium battery (Li/FeS ₂)
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 sw v1.4)
Included	1 AA Alkaline battery, string



Tlf: 67 150 250 Faks: 67 150 251

Mail: post@instrumentteam.no

Web: www.instrumentteam.no