

T-PROBE SENSOR



- 1 monitors solid surface, soil, liquid and air temperature
- 2 up to 3km / 1.9mi range
- 3 IP68, designed to endure the harshest environments
- 4 up to 10 meters of probe length
- 5 flexibility of installation
- 6 temperature range
-55°C to 105°C / -67°F to 221°F

for HVAC environmental controls, temperature monitoring systems inside buildings, equipment, or machinery, process monitoring and control systems.

Aranet T-probe wireless sensor monitors solid surface, liquid and air temperature. The probe can be placed in liquids, or places that require close contact temperature measurements, like heating pipes or soil.

Aranet T-probe 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	-55°C to 105°C / -67°F to 221°F
Temperature measurement accuracy	85°C to 105°C/ 185°F to 221°F Up to 2°C/ 3.6°F -10°C to 85°C/ 14°F to 185°F Up to 0.5°C/ 0.9°F -55°C to -10°C/ -67°F to 14°F Up to 2°C/ 3.6°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
Operating humidity	0% to 100%
Dimensions	35mmØ x 120mm / 1.4"Ø x 4.7"
Weight	88g / 3.1oz with Alkaline battery (1m / 3.2ft probe) 79g / 2.8oz with Lithium battery (1m / 3.2ft probe)
Construction	ASA Plastic
Probe length	0.3m / 1m / 5m / 10m 0.9ft / 3.2ft / 16.4ft / 32.8ft
Protection class	IP68
Marking	CE, FCC, IC
Compatible base stations	Aranet PRO and Aranet MINI
Included	1 AA Alkaline battery, string

* 1, 2, 5, 10 min interval supported from Aranet PRO v1.3.2 and Aranet MINI v3.20.

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).