Aranet T-probe sensor

1. Monitors solid surface, soil, liquid and air temperature

2. Up to 3 km / 1.9 mi 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	3 km / 1.9 mi		
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	τ63% - 10 minutes at 1 m/s airflow		
Data Transmission	1, 2, 5, 10 minutes *		
Data Protection	Data encryption		
Power options	1 AA Alkaline battery (Zn/Mn0$_2$) 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	35 mmØ x 120mm / 1.4"Ø x 4.7"		
Weight	88 g / 3.1 oz with Alkaline battery (1m / 3.2ft probe) 79 g / 2.8 oz with Lithium battery (1m / 3.2ft probe)		
Construction	ASA Plastic		
Probe length	0.3m (0.9ft)	1m (3.2ft)	5m (16.4ft)	10m (32.8ft)
Protection class	IP68		
Marking	CE, FCC, IC		
Compatible base stations	Aranet PRO and Aranet MINI		
Included	1 AA Alkaline battery, string		
Part number EU NA RU	TDSPT002.003 TDSPT002.010 TDSPT0U2.003 TDSPT0U2.010 TDSPT0R2.003 TDSPT0R2.010	TDSPT002.050 TDSPT002.100 TDSPT0U2.050 TDSPT0U2.100 TDSPT0R2.050 TDSPT0R2.100	

Note on the Probe length row: columns are 0.3m (0.9ft), 1m (3.2ft), 5m (16.4ft), 10m (32.8ft).

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