



# T-PROBE SENSOR



aranet



- 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 <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				
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 (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	TDSPT002.003	TDSPT002.010	TDSPT002.050	TDSPT002.100
	NA	TDSPT0U2.003	TDSPT0U2.010	TDSPT0U2.050	TDSPT0U2.100
	RU	TDSPT0R2.003	TDSPT0R2.010	TDSPT0R2.050	TDSPT0R2.100

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

For more detailed information about Aranet products visit [www.aranet.com](http://www.aranet.com), contact your Aranet representative or write to [info@aranet.com](mailto:info@aranet.com).  
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