Aranet T-probe sensor



Monitors solid surface, soil, liquid and air temperature

Up to 3 km / 1.9 mi range

IP68, designed to endure the harshest environments

Up to 10 meters of probe length

Flexibility of installation

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.

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 85 °C to 105 °C / 185 °F to 221 °F Jong Control 100 °C / 185 °F to 221 °F Up to 0.5 °C / 0.9 °F accuracy -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 0.5 °C / 0.9 °F -55 °C to 105 °C / 14 °F to 185 °F Response time r63% - 10 minutes at 1 m/s airflow - Data Transmission 1, 2, 5, 10 minutes at 1 m/s airflow - Data Protection Data encryption - Power options 1 AA Alkaline battery (LI/FeS ₅) - Battery life @20°C / 68°F Up to 7 years with Alkaline battery (Up to 10 years with Lithium battery (LI/FeS ₅) - 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	Aranet T-pro	be sensor dat	asheet			
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 85 °C to 105 °C / 185 °F to 221 °F Temperature measurement 85 °C to 105 °C / 185 °F to 221 °F Temperature measurement 85 °C to 105 °C / 185 °F to 121 °F Temperature measurement 85 °C to 10 °C / -67 °F to 14 °F Temperature measurement 85 °C to 10 °C / -67 °F to 14 °F Temperature measurement 1,2,5, 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/MnO ₂) 1 AA Lithium battery (Li/FeS ₂) Battery life @20°C / 68°F Up to 7 years with Alkaline battery vup to 7 years 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) Probe length 0.3m (0.9ft) 1m (3.2ft) 5m (16.4ft) Protection class IP68 Marking CE,	Measurements		Temperature			
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	Part number	NA	TDSPT0U2.003	TDSPT0U2.010	TDSPT0U2.050	TDSPT0U2.100

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



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