

SIGNAL TEST



- ① made for a sight survey
- ② up to 3 km / 1.9 mi range
- ③ IP42 class
- ④ up to 10 years of battery life

designed to analyze the signal strength and help IoT system deployers install and plan sensor placements in desired locations

Aranet Signal Test sensor Datasheet

Measurements	Temperature Relative humidity	
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	Temperature (-40°C to 60°C / -40°F to 140 °F) Relative humidity (0% to 100%)	
Temperature measurement accuracy	-10°C to 60°C / 14°F to 140°F -20°C to -10°C / -4°F to 14°F -40°C to -20°C / -40°F to 14°F	0.4°C / 0.72°F 0.6°C / 1.08°F 0.9°C / 1.62°F
Response time	τ63% - 10 minutes at 1 m/s airflow	
Relative humidity measurement accuracy	0 to 80% @ 30°C / 86°F 80% to 95% @ 30°C / 86°F	4% RH 6% RH
Data transmission	1, 2, 5, 10 minutes*	
Data protection	Data encryption	
Power options	2 AAA Alkaline batteries (Zn/MnO ₂) 2 AAA Lithium batteries (Li/FeS ₂)	
Battery life @20°C / 68°F	Up to 7 years with Alkaline batteries Up to 10 years with Lithium batteries	
Operating temperature	-20°C to 55°C / -4°F to 131°F with Alkaline batteries -40°C to 60°C / -40°F to 140°F with Lithium batteries	
Operating humidity	0% to 100% non-condensing**	
Dimensions	115x44x25 mm / 4.5"×1.7"×1"	
Weight	65 g / 2.3 oz with Alkaline batteries 57 g / 2 oz with Lithium batteries	
Construction	ASA Plastic	
Protection class	IP42	
Marking	CE, FCC, IC	
Compatible base stations	Aranet PRO and Aranet MINI	
Included	2 AAA Alkaline batteries, string	
Part number	TDSPTT01(EU), TDSPTTU1(NA), TDSPTTR1(RU)	

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

** For best accuracy, recommended operating range is 20% to 80% RH (non-condensing) and 5°C to 60°C (41°F to 140°F). Prolonged operation beyond these ranges may result in a shift of sensor reading, with slow recovery time.