

T/RH IP68 SENSOR



- 1 monitors temperature and relative humidity
- 2 IP68 casing
- 3 up to 3km / 1.9mi range
- 4 designed for dusty and humid locations
- 5 GORE membrane for accurate readings

hermetic enclosure ensures that no excessive moisture or dust particles can alter the readings, ensuring constant and reliable data monitoring.

The IP class 68 hermetic enclosure of the sensor ensures that no excessive moisture or dust particles can alter the readings, ensuring constant and reliable data monitoring

Aranet T/RH IP68 sensor Datasheet	
Measurements	Temperature Relative Humidity
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	-40°C to 60°C (-40°F to 140 °F) 0% to 100%
Measurement accuracy	-10°C to 60°C / 14°F to 140°F 0.4°C / 0.72°F -20°C to -10°C / -4°F to 14°F 0.6°C / 1.08°F -40°C to -20°C / -40°F to 14°F 0.9°C / 1.62°F 0 to 80% @ 30°C (86 °F) 4% 80% to 95% @ 30° C(86°F) 6%
Response time	T63% - 4 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 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% non-condensing*
Dimensions	35mmØx120mm/ 1.4inØx4.7in
Weight	59g (2.1oz) with Alkaline battery 51g (1.8oz) with Lithium battery
Construction	ASA Plastic
Protection class	IP68
Marking	CE, FCC
Compatible base stations	Aranet PRO and Aranet MINI
Included	1 AA Alkaline battery, string

* 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.

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



Tlf: 67 150 250 Faks: 67 150 251
Mail: post@instrumentteam.no
Web: www.instrumentteam.no