

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

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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%RH 80% to 95% @ 30° C(86°F) 6%RH | |
| 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 5 years with Alkaline battery Up to 7 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 | 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 and 5°C to 60°C (41°F to 140°F). Prolonged operation beyond these ranges may result in a shift of sensor relative humidity reading, with slow recovery time.

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

Vertrieb durch:



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