

Aranet2**HOME****PRO**

Temperature and relative humidity logger.

TDSPRHH2

TDSPRH02 (EU)
TDSPRHU2 (US, AS)

	Temperature	Relative humidity
Range	0 - 50 °C (32 °F to 122 °F)	0 - 99 %
Resolution	0.1 °C (0.1 °F)	0.1 %
Accuracy ¹	±0.3 °C (±0.5 °F)	± 3 %
Long term drift	±0.03 °C/year (±0.05 °F/year)	± 0.5 %/year

Radio parameters²

Line of sight range	3 km (1.9 mi)
Supported ISM bands	EU868, US920, AS923
Transmitter power	14 dBm
Data transmission interval	1, 2, 5 or 10 minutes
Data protection	XXTEA encryption

General

Ingress protection rating	IP20
Operating temperature range	0 °C to 50 °C (32 °F to 122 °F)
Operating relative humidity range	0% to 99 %
Dimensions	70 x 70 x 24 mm (2.76 x 2.76 x 0.94 in)
Weight ³	100 g (3.5 oz)
Enclosure material	Polycarbonate
Included in the box	2 AA alkaline batteries, configuration pin

Bluetooth parameters

Line of sight range	10 m (33 ft)
Transmitter power	4 dBm or -12 dBm
Data transmission interval	1, 2, 5 or 10 minutes

Power 2 AA batteries

Type	Alkaline ⁴	Lithium ⁵
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TX interval Battery lifetime at 20 °C (68 °F)⁶

1 minute	1.0 years	1.2 years
2 minutes	1.8 years	2.3 years
5 minutes	3.9 years	5.3 years
10 minutes	6.3 years	9.1 years

Compliance

CE	Conformité Européenne
IC	Innovation, Science and Economic Development Canada
FCC	Federal Communications Commission (USA)



Aranet2 is not impact resistant.
Do not leave the device in the direct sunlight.

¹ 95 % of the sensors measure within these typical limits in equilibrium state at the time of sale. For evaluation of the total measurement error long-term drift has to be taken into account.

² Available only for the PRO version of the product.

³ Weight with alkaline Fujitsu Premium LR6G07 AA batteries.

⁴ Fujitsu Premium LR6G07 AA batteries used for tests and calculations.

⁵ Energizer Ultimate Lithium L91 AA batteries used for tests and calculations.

⁶ With the Bluetooth connection disabled. Battery lifetime data has been obtained by mathematical extrapolation and is provided for descriptive purposes only and is not intended to make or imply any guarantee or warranty.