

Aranet AC Hour Meter



① Accurately measures operational time for any device connected to the power grid

② IP67 casing

③ Easy to set up and use

④ Up to 10 years of battery life



Shows precise run time of devices, machines or other equipment. Simple and reliable solution for food industry, poultry, livestock and many other applications.

Aranet AC Hour Meter

TDSPAC01 (EU)

Measures operational time for any device connected to the power grid.

TDSPACU1 (NA)

TDSPACR1 (RU)

Sensor performance

Input voltage	85-265 VAC
Input frequency	47-63 Hz
Resolution	1 second
Accuracy	± 2 minutes per month
Surge immunity ¹	2 kV (L-L) 4 kV (L-GND)

Radio parameters

Line of sight range	3 km (1.9 mi)
Supported ISM bands	EU868, NA915
Transmitter power	14 dBm
Data transmission interval	1, 2, 5 or 10 minutes
Data protection	XXTEA encryption
Compatible base stations	Aranet PRO

General

Ingress Protection code	IP67
Maximum operating temperature range	-40 °C to 55 °C (-40 °F to 131 °F)
Dimensions	130 x 94 x 57 mm (5.1 x 3.7 x 2.2 in)
Weight ²	250 g (9 oz)
Enclosure material	PC plastic
Included in the box	1 AA alkaline battery

Power 1 AA battery

Type	Alkaline ³	Lithium ⁴
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)	-40 °C to 55 °C (-40 °F to 131 °F)
TX interval	Battery lifetime at 20 °C (68 °F) ⁵	
1 minute	1.5 years	1.9 years
2 minutes	2.6 years	3.5 years
5 minutes	5.0 years	7.0 years
10 minutes	7.2 years	10+ years

Compliance

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

¹ Tested in accordance with EN 61000-4-5:2014 Standard.

² Weight with alkaline AA Fujitsu LR6G07 Premium battery.

³ AA Fujitsu LR6G07 Premium battery used for tests and calculations.

⁴ AA Energizer L91 Ultimate Lithium battery used for tests and calculations.

⁵ 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.