

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) |



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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.