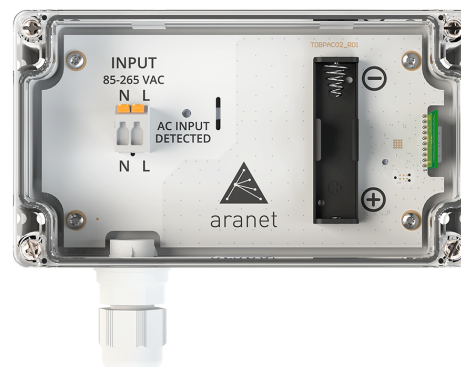


AC Hour Meter

Provides operational time measurements for any device connected to the power grid. This device, belonging to the PRO sensor series, includes Aranet Sub-GHz ISM band radio which wirelessly transmits sensor measurements to the Aranet PRO base station.



Product numbers

European Union	TDSPAC02
United States	TDSPACU2
Asia	TDSPACU2

AC connection time measurement performance

Input voltage	85–265 VAC
Input frequency	47–63 Hz
Resolution	1 s
Accuracy	±2 min/month
Surge immunity	2 kV (L–L), 4 kV (L–GND)

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

General specifications

Ingress protection rating	IP67	
Maximum operating temperature	-40–55 °C	-40–131 °F
Dimensions	130×94×57 mm	5.1×3.7×2.2 in
Weight (incl. battery)	250 g	9 oz
Enclosure material	Polycarbonate	
Packaging includes	1 pc AA alkaline battery	

Battery lifetime

Measurement interval	Alkaline battery lifetime	Lithium battery lifetime
1 min	1.5 years	1.9 years
2 min	2.6 years	3.5 years
5 min	5.0 years	7.0 years
10 min	7.2 years	>10 years

- 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.
- Battery lifetime tests and calculations performed assuming device is at 20 °C (68 °F) and using *Fujitsu Premium LR6G07* (alkaline) and *Energizer Ultimate Lithium L91* (lithium) AA batteries as reference.
- The operating temperature range may vary based on the battery type used. Generally, the range for alkaline batteries is between -20–50 °C (-4–122 °F), whereas for lithium batteries, it is -20–60 °C (-40–140 °F).

Aranet radio parameters

Line of sight range	3 km	1.9 mi
Transmitter power	14 dBm	25 mW
Data transmission interval	1, 2, 5 or 10 min	
Data protection	XXTEA encryption	

Compliance information

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