

Dry Contact Hour Meter

Use this device to track the duration of electrical contact between two wired points, i.e., dry contacts. 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	TDSPHM01.010
United States	TDSPHMU1.010
Asia	TDSPHMU1.010

Dry contact time measurement performance

Resolution	1 s
Accuracy	4.3 s/day
Counter overflow	136 years

Probe cable specifications

Length	1 m	3.3 ft
Cable material	Polyvinyl chloride (PVC)	
Operating temperature (flexing)	-5–70 °C	23–158 °F
Operating temperature (fixed)	-40–80 °C	-40–176 °F

General specifications

Ingress protection rating	IP68	
Maximum operating temperature	-40–60 °C	-40–140 °F
Dimensions	∅35×120 mm	∅1.4×4.7 in
Weight (incl. battery)	100 g	3.5 oz
Enclosure material	ASA plastic	
Packaging includes	1 pc AA alkaline battery, polyester string for hanging the device	

Battery lifetime

Measurement interval	Alkaline battery lifetime	Lithium battery lifetime
1 min	1.3 years	1.7 years
2 min	2.4 years	3.2 years
5 min	4.6 years	6.4 years
10 min	6.7 years	9.6 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



Conformité Européenne



Federal Communications Commission (USA)



Innovation, Science and Economic Development Canada