

Dry Contact Pulse Counter

Designed to monitor electrical, gas, and water meters, as well as other measurement devices that have a dry contact pulse output feature. 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	TDSPIC02.010
United States	TDSPICU2.010
Asia	TDSPICU2.010

Pulse measurement performance

Maximum pulse frequency	25 Hz
Minimum pulse width	10 ms
Minimum interval between pulses	30 ms

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

Cable color coding

- The connection of the transmitter to a dry contact output is unipolar. This means that either of the transmitter wires (brown and white) can be connected to either of the dry contact output terminals to enable proper functionality.

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	1.4 years	1.9 years
2 min	2.6 years	3.5 years
5 min	5.2 years	7.3 years
10 min	7.6 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