T COMPACT SENSOR

Aranet T Compact sensor - business critical real-time temperature readings for supermarkets and cold storage with a small form factor and food grade casing.

Aranet T Compact sensor Datasheet	
Measurements	Temperature
Line of Sight Range	3km / 1.9mi
Operating environment	Indoor and Outdoor use
Transmitter power	14 dBm
Frequency	Depends on base station instructions
Measurement Range	-40°C to 60°C (-40°F to 140 °F)
Measurement accuracy	-10°C to 60°C / 14°F to 140°F 0.4°C / 0.7°F -40°C to -10°C / -40°F to 14°F 0.5°C / 0.9°F
Response time	τ63% - 8 minutes at 1 m/s airflow
Data Transmission	1, 2, 5, 10 minutes*
Data Protection	Data encryption
Power options	1 AAA Alkaline battery ($Zn/Mn0_2$) 1 AAA Lithium battery (Li/FeS_2)
Battery life @20°C / 68°F	Up to 5 years with Alkaline battery Up to 7 years with Lithium battery
Operating temperature	-20°C to 55°C/ -4°F to 131°F with Alkaline battery -40°C to 60°C/ -40°F to 140°F with Lithium battery
Operating humidity	0% to 100%
Dimensions	30mmØx77mm/ 1.2″Øx3″
Weight	30g (1.05oz) with Alkaline battery 28g (1oz) with Lithium battery
Construction	ASA Plastic
Protection class	IP68
Marking	CE, FCC
Compatible base stations	Aranet PRO and Aranet MINI
Included	1 AAA Alkaline battery, string
Part number	TDSPT004 (EU)
Mounting bracket part number	TDAPMB01 (EU)

* 1, 2, 5, 10 min interval supported from Aranet PRO v1.3.2 and Aranet MINI v3.20.

FCC Compliance statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- → Reorient or relocate the receiving antenna.
- → Increase the separation between the equipment and receiver.
- → Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- → Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement: 20cm minimum distance between the radiator and human body.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The specifications or information contained in this document are subject to change without notice due to continuing introduction of design improvements. If there is any conflict between this document and compliance statements, the latter will supersede this document.

SAF Tehnika, JSC has no liability for typing errors in this document or damages of any kind that result from the use of this document.

To get up to date information about accessories and their availability, please contact sales representative.

Industry Canada Regulatory Statement

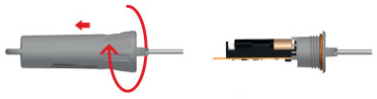
This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Statement: 20cm minimum distance between the radiator and human body.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Déclaration d'exposition FR: distance minimale de 20 cm entre le radiateur et le corps humain.

How to: Pair sensors to Aranet



1. Pair sensors with Aranet PRO

Aranet PRO supports several types of sensors. In order to connect them to the system the same steps apply for all types of sensors.

(1) You should physically be located within around 20 meters of Aranet PRO.

(2) In order to open the sensor follow the individual sensor's instructions (see image above). Once it is opened the battery compartment will be exposed.

(3) Go to Aranet PRO Settings screen.

(4) Choose "Sensors" menu.

(5) Click "Add sensor" button.

(6) Insert sensor's battery/-ies.

(7) Red LED light will flash on the sensor. Three short flashes followed by a long flash will signal a connection failure, the pause between flashes will be the same. In a successful pairing the long flash will follow immeadiately after a short flash. Looking at the LED light can save time while pairing sensors, however, Aranet PRO will also display a notification about a successful or unsuccessful pairing.

(8) Close the sensor following respective sensor instructions.

(9) Now you can rename the sensor, set thresholds for alarms, add it to favorites. After completing your tasks click save button.

2. Pair sensors with Aranet MINI

(1) Tap , then choose Sensors menu and tap the Setup button.

(2) Set up a sensor by following the instructions on the screen. After successfully setting up a sensor, the sensor ID and the name of the sensor will appear on the left side of the screen. Sensors are given name "SENS <number>" automatically. Tap the name of the sensor to give it a new name with length up to 8 symbols. In order to remove a sensor just press the sign next to it.

(3) Set up other sensors in the same manner.

- → To add more than 6 sensors, press the page button on top.
- → To change the order of the sensors, press and . Then press on the sensors you want to move and then – where you want to move it to.
- → Tap the home button to return to the main menu.