Aranet 0-10 VDC transmitter



Measures 0-10 V DC

Up to 7 years of battery life

IP68 casing

Data transmission every 1, 2, 5, 10 minutes

Battery-powered and energy-efficient solution designed to integrate with any 3rd party sensor that uses V as an output.

MeasurementsDC VoltageLine of Sight Range3 km / 1.9 miOperating environmentIndoor and Outdoor useTransmitter power14 dBmFrequencyDepends on base station instructionsMeasurement Range-32 to +32 VDC *Measurement accuracy±0.5 %Measurement resolution0.01 VData Transmission1,2,5,10 minutesData ProtectionData encryptionPower options1,4A Alkaline battery (Zn/MnO2) 1 AA Lithium battery (Li/FeSs)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Liklaine battery Operating humidityOperating humidity% to 100%Dimensions22 g', 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) Ag / 2.8	Aranet 0-10 VDC transmit	ter datasheet
Operating environmentIndoor and Outdoor useTransmitter power14 dBmFrequencyDepends on base station instructionsMeasurement Range-32 to +32 VDC *Measurement accuracy± 0.5 %Measurement resolution0.01 VData Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1 AA Alkaline battery (Zn/Mn0 ₂) 1 AA Lithium battery (Li/FeS ₂)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4°Ø x 4.7"Weight28 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Protection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Measurements	DC Voltage
Transmitter power14 dBmFrequencyDepends on base station instructionsMeasurement Range-32 to +32 VDC *Measurement accuracy± 0.5 %Measurement resolution0.01 VData Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1A Alkaline battery (Zn/Mn0_2) 1 AA Lithium battery (Li/FeS_2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Alkaline batteryOperating temperature-20 °C to 55 °C / -4 °F to 131 °F with Alkaline battery Up to 7 years with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 % 2 s / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) <b< td=""><td>Line of Sight Range</td><td>3 km / 1.9 mi</td></b<>	Line of Sight Range	3 km / 1.9 mi
FrequencyDepends on base station instructionsFrequencyDepends on base station instructionsMeasurement Range-32 to +32 VDC *Measurement accuracy± 0.5 %Measurement resolution0.01 VData Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1AA Alkaline battery (Zn/Mn0 ₂) 1AA Lithium battery (Li/FeS ₂)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4″Ø x 4.7″Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) r4g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) <br< td=""><td>Operating environment</td><td>Indoor and Outdoor use</td></br<>	Operating environment	Indoor and Outdoor use
Measurement Range-32 to +32 VDC *Measurement accuracy± 0.5 %Measurement resolution0.01 VData Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1 AA Alkaline battery (Zn/Mn0 ₂) 1 AA Lithium battery (Li/FeS ₂)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4″Ø x 4.7″Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) r 4 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AAlkaline battery, string	Transmitter power	14 dBm
Measurement accuracy± 0.5 %Measurement resolution0.01 VData Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1 AA Alkaline battery (Zn/Mn0_2) 1 AA Lithium battery (Li/FeS_2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating temperature-20 °C to 55 °C / 4 °F to 131 °F with Alkaline battery 4.0 °C to 60 °C / 40 °F to 140 °F with Lithium batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4″Ø x 4.7″Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g	Frequency	Depends on base station instructions
Measurement resolution0.01 VData Transmission1,2,5,10 minutesData ProtectionData encryptionPower options1,AA Alkaline battery (Zn/MnO2) 1,AA Lithium battery (Li/FeS2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight.82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) r/4 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Measurement Range	-32 to +32 VDC *
Data Transmission1, 2, 5, 10 minutesData ProtectionData encryptionPower options1 AA Alkaline battery (Zn/Mn02) 1 AA Lithium battery (Li/FeS2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4″Ø x 4.7″Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Measurement accuracy	± 0.5 %
Data ProtectionData encryptionPower options1 AA Alkaline battery (Zn/Mn02) 1 AA Lithium battery (Li/FeS2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight2g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)ConstructionASA PlasticProtection classIP68MarkingCE, FCCMarkingAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Measurement resolution	0.01 V
Power options1 AA Alkaline battery (Zn/Mn02) 1 AA Lithium battery (Li/FeS2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 75 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 76 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 76 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 76 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 76 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe	Data Transmission	1, 2, 5, 10 minutes
I AA Lithium battery (Li/FeS2)Battery life @ 20 °C / 68 °FUp to 5 years with Alkaline battery Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4″Ø x 4.7″Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) r4 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 A Alkaline battery, string	Data Protection	Data encryption
Up to 7 years with Lithium batteryOperating 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 batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight&2 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 A Alkaline battery, string	Power options	
-40 °C to 60 °C/ -40 °F to 140 °F with Lithium batteryOperating humidity0% to 100%Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Battery life @ 20 °C / 68 °F	
Dimensions35 mmØ x 120 mm / 1.4"Ø x 4.7"Weight82 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 A Alkaline battery, string	Operating temperature	
WeightS2 g / 3.1 oz with Alkaline battery (1 m / 3.2 ft probe) /4 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 A Alkaline battery, string	Operating humidity	0% to 100%
A g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)Cable length1 m (3.2 ft)ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Dimensions	35 mmØ x 120 mm / 1.4″Ø x 4.7″
ConstructionASA PlasticProtection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Weight	
Protection classIP68MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Cable length	1 m (3.2 ft)
MarkingCE, FCCCompatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Construction	ASA Plastic
Compatible base stationsAranet PRO (from v1.4.0)Included1 AA Alkaline battery, string	Protection class	IP68
Included 1 AA Alkaline battery, string	Marking	CE, FCC
	Compatible base stations	Aranet PRO (from v1.4.0)
Part number TDSPVM02.010 (EU), TDSPVMU2.010 (NA), TDSPVMR2.010 (RU)	Included	1 AA Alkaline battery, string
	Part number	TDSPVM02.010 (EU), TDSPVMU2.010 (NA), TDSPVMR2.010 (RU)

* For transducers using V (DC) as an output, the Aranet PRO web interface user software allows customer to define conversion from detected Voltage values to a user defined measurement unit.