

Aranet 4-20 mA transmitter



- ① Measures 4-20 mA current
- ② Up to 7 years of battery life
- ③ IP68 casing
- ④ Data transmission every 1, 2, 5, 10 minutes

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



Aranet 4-20 mA Current sensor datasheet

Measurements	4-20 mA current
Line of Sight Range	3 km / 1.9 mi
Operating environment	Indoor and Outdoor use
Transmitter power	14 dBm
Frequency	Depends on base station instructions
Measurement Range	0 - 30 mA *
Measurement accuracy	± 0.5 %
Measurement resolution	0.01 mA
Data Transmission	1, 2, 5, 10 minutes
Data Protection	Data encryption
Power options	1 AA Alkaline battery (Zn/MnO ₂) 1 AA 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	35 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) 74 g / 2.8 oz with Lithium battery (1 m / 3.2 ft probe)
Cable length	1 m (3.2 ft)
Construction	ASA Plastic
Protection class	IP68
Marking	CE, FCC
Compatible base stations	Aranet PRO (from v1.4.0)
Included	1 AA Alkaline battery, string
Part number	TDSPCL02.010 (EU), TDSPCLU2.010 (NA)

* For transducers using 4-20 mA as an output, the Aranet PRO web interface user software allows customer to define conversion from detected mA values to a user defined measurement unit.