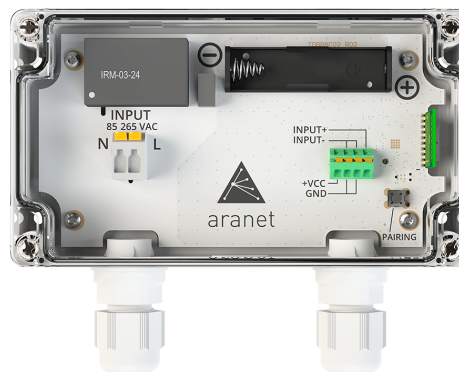


4-20 mA Transmitter with 24 VDC PSU

Measures analog signal of a 3rd party sensor. Provides 24 VDC power for a 3rd party sensor using the built-in power supply unit (PSU). 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	TDSCT202
United States	TDSCT2U2
Asia	TDSCT2U2

Electric current measurement performance

Range	0–30 mA
Resolution	0.01 mA
Accuracy	±5 %
Output voltage	24 VDC
Output voltage tolerance	±0.6 VDC
Maximum output power	2.8 W

- 95 % of the sensors measure within these typical limits in equilibrium state at the time of sale.

General specifications

Ingress protection rating	IP67	
Operating temperature range	-30–80 °C	-22–176 °F
Dimensions	160×132×46 mm	6.3×5.2×1.8 in
Weight (incl. battery)	250 g	8.8 oz
Enclosure material	Polycarbonate	
Packaging includes	1 pc AA alkaline battery	

Power specifications

Input voltage	85–265 VAC
Frequency range	47–63 Hz
Maximum power consumption	10 W

- External power is required for the PSU to operate, enabling the connected sensor to function. The battery is optional and powers only the data transmitter to facilitate pairing and to notify user in case of external power loss.

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

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- CE** Conformité Européenne
 - FC** Federal Communications Commission (USA)
 - IC** Innovation, Science and Economic Development Canada
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