



Aranet 4-20 mA transmitter with 24 VDC power supply

Energy-efficient solution designed to
integrate with any 3rd party sensor

Aranet 4-20 mA transmitter with 24 VDC power supply

Measures analog signal of a 3rd party sensor, provides 24 VDC power for a 3rd party sensor.

TDSCT202 (EU)
TDSCT2U2 (US, AS)

Sensor performance

| | |
|--------------------------|-----------|
| Range | 0 – 30 mA |
| Resolution | 0.01 mA |
| Accuracy ¹ | ± 5 % |
| Output voltage | 24 VDC |
| Output voltage tolerance | ± 0.6 VDC |
| Max output power | 2.8 W |

Radio parameters

| | |
|----------------------------|------------------------------|
| Line of sight range | 3 km (1.9 mi) |
| Supported ISM bands | EU868, RU869 US920, AS923 |
| Transmitter power | 14 dBm |
| Data transmission interval | 1, 2, 5 or 10 minutes |
| Data protection | XXTEA encryption |

General

| | |
|--|---|
| Ingress protection rating | IP67 |
| Operating temperature range ² | -30 °C to 85 °C (-22 °F to 185 °F) |
| Dimensions | 160 x 132 x 46 mm (6.3 x 5.2 x 1.8 in) |
| Weight | 250 g (8.8 oz) |
| Enclosure material | Polycarbonate |
| Included in the box | 1 AA alkaline battery |

Power

| | |
|-----------------------|--------------|
| Input voltage | 85 – 265 VAC |
| Frequency range | 47 – 63 Hz |
| Max power consumption | 10 W |

Compliance

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

¹ 95 % of the sensors measure within these typical limits in equilibrium state at the time of sale.

² If battery used, operating temperature range narrows according to battery type. For alkaline battery the range is -20 °C to 50 °C (-4 °F to 122 °F).