

CURRENT SENSOR



aranet



- ① measures 4-20 mA current
- ② 10 year 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 4-20mA Current sensor Datasheet

| | |
|---------------------------|---|
| Measurements | 4-20 mA current |
| 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 | 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 7 years with Alkaline battery Up to 10 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 | 35mmØ x 120mm / 1.4"Ø x 4.7" |
| Weight | 82g / 3.1oz with Alkaline battery (1m / 3.2ft probe) 74g / 2.8oz with Lithium battery (1m / 3.2ft probe) |
| Cable length | 1m (3.2ft) |
| Construction | ASA Plastic |
| Protection class | IP68 |
| Marking | CE, FCC |
| Compatible base stations | Aranet PRO (from sw v1.4) |
| Included | 1 AA Alkaline battery, string |

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



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