

TRANSMITTER PT100



aranet



- ① monitors air, liquid, and solid surface temperature
- ② up to 3km / 1.9mi range
- ③ IP68, designed to endure the harshest environments
- ④ up to 10 meters of probe length
- ⑤ 2 or 4 wire connections with already existing equipment
- ⑥ temperature range -200°C (-328°F) up to 800°C (1472°F)

easy-to-use resistance-to-digital converter for industrial and medical equipment, as well as instrumentation.

Aranet PT100 Transmitter is an easy-to-use resistance-to-digital converter optimized for platinum resistance temperature detectors (RTDs). The applications include use for industrial and medical equipment, as well as instrumentation.

Aranet PT100 Transmitter	
Measurements	Temperature
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	Depending on probe type (tested range -200°C (-328°F) up to 800°C (1472°F))
Probe type	Any class PT100
Temperature measurement accuracy	Transmitter error +/- 0.5°C (0.9°F) + probe error
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
Dimensions	35mmØ x 120mm / 1.4"Ø x 4.7"
Weight	80g (2.8oz) w Alkaline battery w 1m (3.2ft) cable 72g (2.5oz) w Lithium battery w 1m (3.2ft) probe
Construction	ASA Plastic
Probe length	1m (3.2ft)**
Protection class	IP68
Compatible base stations	Aranet PRO, Aranet MINI
Marking	CE, FCC
Included	1 AA Alkaline battery, string
Part number	TDSPT106.010 (EU), TDSPT1U6.010 (NA), TDSPT1R6.010 (RU)

* 1, 2, 5, 10 min interval supported from Aranet PRO v1.3.2 and 2, 5, 10 min from Aranet MINI v3.20.

** Operating temperature of included cable is -40°C to 200°C (-40°F to 392°F)