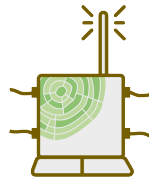


PRODUCT SHEET

TECHNICAL SPECS URBAN MOLE SENSOR STATION V2.0 - MARCH 2023



THE
URBAN
JUNGLE
PROJECT

SENSOR STATION

TUJP SENSOR STATION v2.0

Enclosure	Hammond 1550Z104BK, IP68
Usage environment	-40°C to 100°C all-weather
Input Power	5-24V DC, from DC adapter or solar panel
Battery capacity	1200mAh
Life time on cycle	3-6 months (before charge) infinite with solar panel
Measurement interval	15 minutes
Protection	Input short and reverse polarity protected, sensor short protected
Communication	LoraWAN (EU 868)
LoraWAN range	Situation dependent, local gateway availability required (requires WiFi access point)
Analog sensor support	
Number of sensors	4x 2-channel analog sensors
Power supply voltage	2.5 V +- 0.002 V
Power max current	300 mA accurately, overcurrent protected
Analog readout range	0 V - 2.5 V
Analog readout accuracy	<0.05% (13 bits minimum)

