

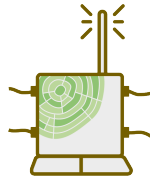
PRODUCT SHEET

TECHNICAL SPECS

URBAN MOLE

HUMIDITY & TEMPERATURE SENSOR

V1.0 - MARCH 2023



THE
URBAN
JUNGLE
PROJECT

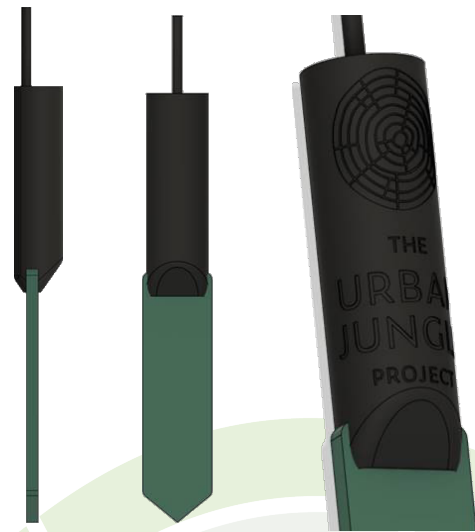
HUMIDITY & TEMPERATURE SENSOR

TUJP HTS v1.0

Input voltage 2.5V
Input current ~15 mA
Output voltage 0.5V to 2.2V

Soil measurement

Technology High frequency capacitive
Temperature Accuracy <0.5 °C
Humidity range 0-100%
Humidity Accuracy < 8%
Calibration Soil dependent calibration necessary for moisture measurement



INSTALLATION GUIDELINES

SENSOR PLACEMENT IN SOIL OR SUBSTRATE

Sensor direction Horizontal*
PCB direction Vertical*
Installation Gently push into substrate, dig trench in case of firm soil
Cable instruction Prevent cable damage, do not push cable with firm objects
Registration Register sensor ID and sensor location before installation in soil for data identification purposes

*Alternative placement affects data reliability

