



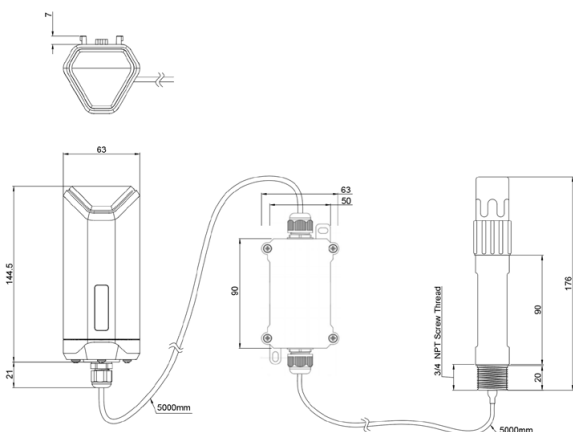
# SenseCAP S2106

## pH Sensor (water and soil)

### Specifications

pH	
Range	0 to 14 pH
Accuracy	±0.1 pH
Resolution	0.01 pH
Temperature (Built-in junction box*)	
Range	-40 to 80 °C
Accuracy	±0.5 °C
Resolution	0.1 °C
General Parameters	
Product Model	S2106
Microcontroller	Wio-E5
Support Protocol	LoRaWAN v1.0.3 Class A
Built-in Bluetooth	App Tool to change parameters
LoRaWAN Channel Plan	IN865/EU868/US915/AU915/ AS923/KR920/RU864 **
Max Transmitted Power	19dBm
Sensitivity	-136dBm@SF12 BW=125KHz
Communication Distance	2 to 10 km (depending on gateway antenna and environments)
IP Rating	IP66(LoRa DTU); IP65(Junction box); IP68(Sensor probe)
Operating Temperature	-40 to +85 °C
Operating Humidity	0 to 100 %RH (non-condensing)
Device Weight	600g
Cable Length	2 meters(DTU to junction box); 5 meters(junction box to probe)
Certification	CE / FCC / RoHS
Battery (Contained in equipment)	
Battery Life	Up to 10 years***
Battery Capacity	19Ah (non-rechargeable)
Battery Type	Standard D-size SOCI2 Battery

### Dimension



\* Note: the temperature sensor in the junction box that can not measure the temperature of water or soil.

\*\* A device supports different frequencies and can be configured via the Bluetooth App.

\*\*\* The battery life varies from data upload interval and distance between gateway.