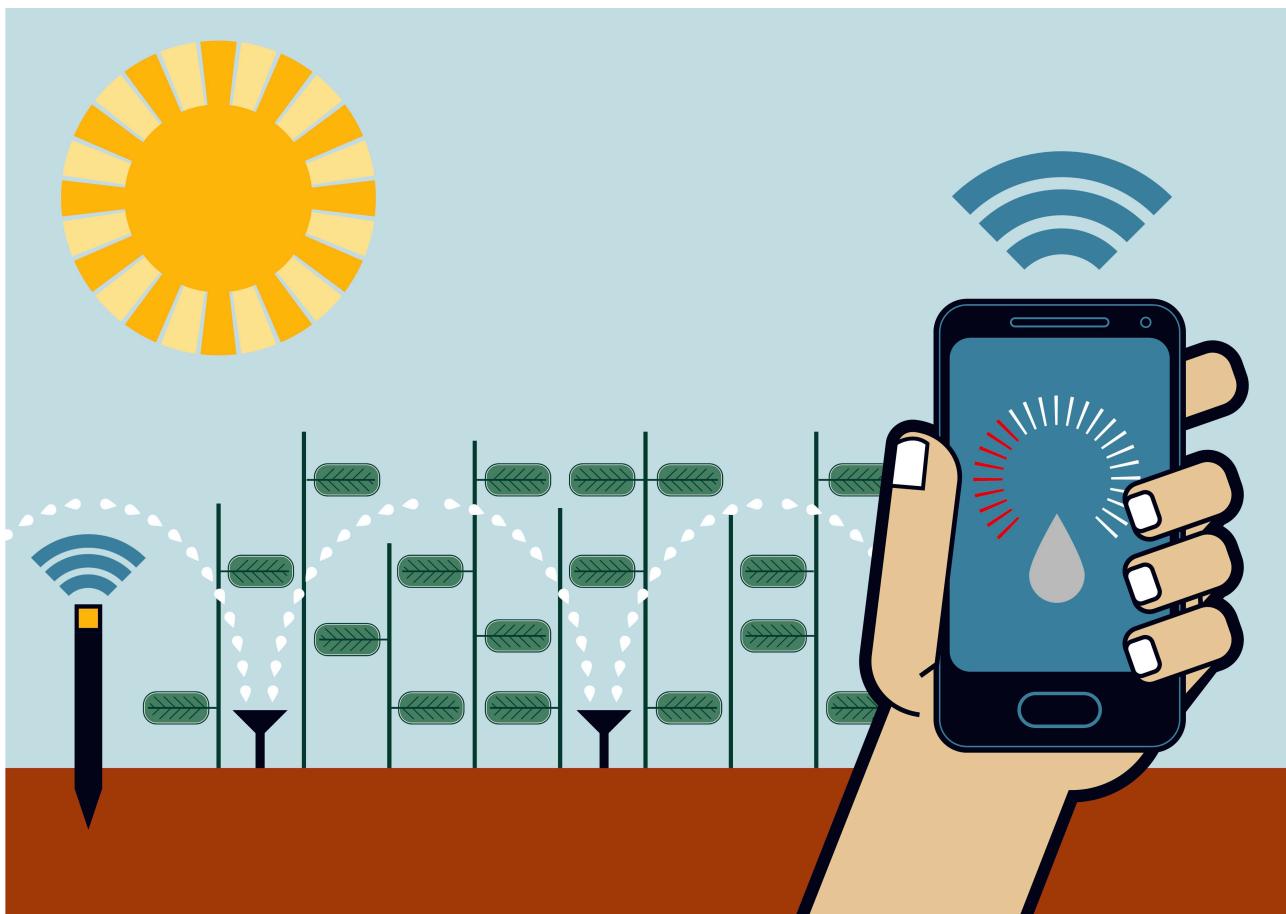


## SMS400 RF-GPRS, Farming with Apps by Sonder

The time of efficient and intelligent agriculture at low cost has arrived



The soil moisture sensor of the SMS400 series (Soil Moisture Sensor) is low power, very affordable, durable and provides an excellent response to sprinkler control systems. They put a voltage related to the water content of the soil. They can also be used as a water level sensor.

Applications: sprinkler controller, soil moisture monitoring highly saturated water, moisture monitoring in the soil or pots, and water level measurement.

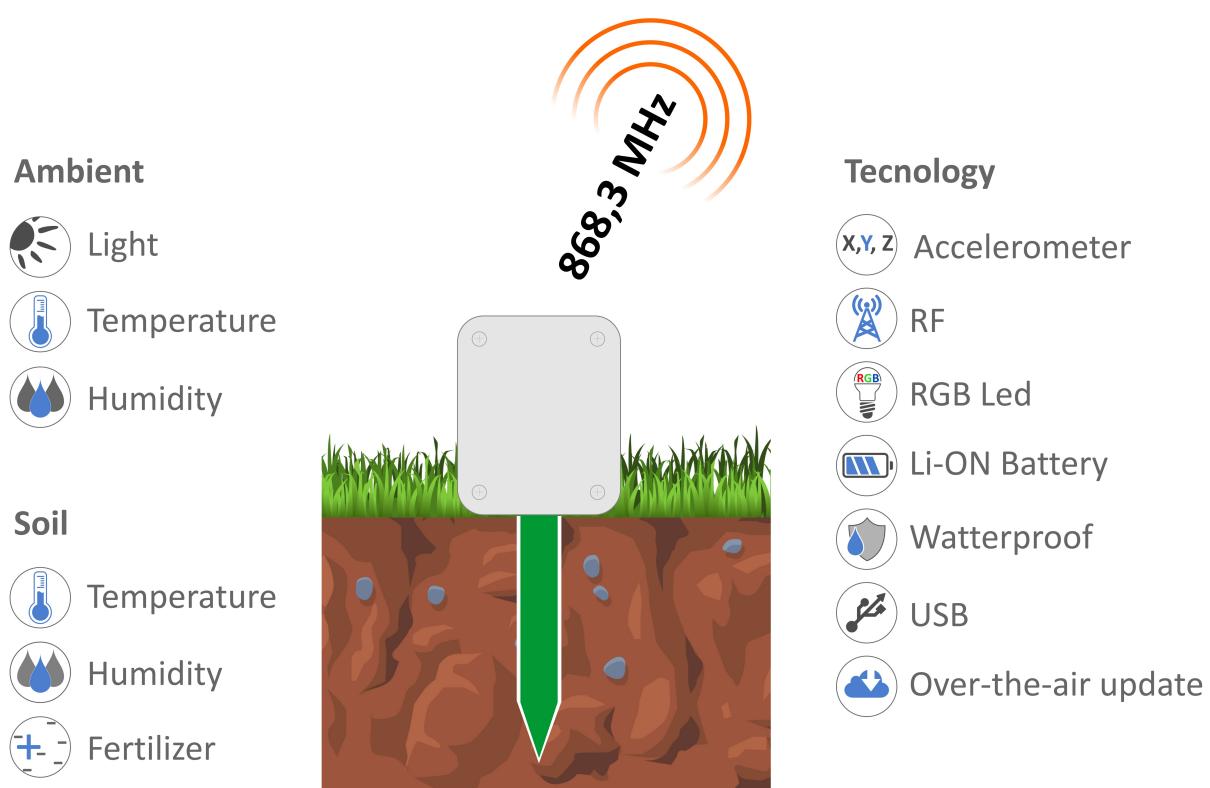
It has a temperature sensor on the surface, an accelerometer, it emits an 868Mhz radio receiver (optional 433MHz). The receiver works with solar energy or battery, emits by gprs (3G) and has gps location.



Characteristics		serial
Have a sensor with low power consumption		yes
Locate by triangulation of antennas		yes
GPS: For precise positioning		yes
Know the soil moisture and its history. It is a capacitive type sensor.		yes
Know the surface temperature and its history (reading temperature module sigfox error 5°C)		yes
Pure sensor reading of temperature and / or humidity		yes
The information helps you decide when to water, program the zones of the automatic irrigations		yes
Manual button to know when you reach that point physically (it is internal)		yes
Thanks to the combination with SonderCloud, you can generate alarms by reaching a humidity, either by maximum or minimum, the same can be done by temperature.		yes
Low cost		yes
It is an efficient sensor of low consumption		yes
High durability		yes
Great precision		yes
Small dimensions		yes
Insensitive to salts		yes
Operating temperature -40 ° C to 85 ° C		yes
Insensitive to the volume of water		yes
Accelerometer / Inclinometer to know position of the probe, detect movement		yes
1 Digital or Analog Input for:		yes
Alarm input by contact closure: on / off		yes
Input of a temperature probe PTC2000 or PT1000		yes
1 Digital Output		yes
Powered by a CR2450 battery		yes
Communications with RF 868MHz		yes
Internal voltage regulator Yes		yes
It can be complemented with the temperature probe STS400		yes

Modelo	Código	Descripción
<b>SMS400 RF-GPRS</b>	19.100	Sensor de humedad en el suelo y nivel de líquido. Comunicación Radio 868MHz y GPRS

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#### Esquema Conjunto Aplicación

