

Netvox LoRaWAN Soil NPK Sensor

When it comes to the development prospects of smart agriculture, technology is the first driving force.



More and more highly-educated young adults with technical background, agriculture-related expertise and unique ideas move from the city to the country. They are about to bring a technological reform to traditional agriculture. We call these people the “New Farmers.”

"New Farmers" devote themselves to organic agriculture and high-tech farming, targeting specifically at the urban middle class. Their progressive ambitions are not just innovations, but more like a revolution in the entire agricultural industry.

Smart agriculture has strong market potential, and Netvox see ourselves a part of this agricultural technology revolution with our LoRa Soil NPK Sensor.

Product



R72632A Soil NPK Sensor

Netvox Soil NPK Sensor detects the content of nitrogen, phosphorus and potassium in the soil for soil fertility evaluation.

It is widely used in smart agricultural application to track soil conditions. The data is transmitted periodically so that users are able to deal with any abnormal situations quickly and minimize losses. In addition, remote data monitoring reduces the labor of on-site visits and improves agricultural production efficiency.



Features

The Soil NPK Sensor has high precision, fast response and stable output. It will not be affected much by soil salinity and is suitable for various soil types. The sensor is vacuum filled, waterproof and resistant to long-term electrolysis and corrosion if buried in the soil for a long time.

On large farms with a wide range, the layout of Soil NPK Sensors is critical. In low-lying areas, soil conditions change rapidly. In different terrains such as hills, mountains, basins and river valleys, the Soil NPK Sensor can still play a good role and can be well-applied to different types of agricultural production.



Valley Agriculture and Mountain Agriculture

Applications

Precision agriculture, forestry, scientific experiment, greenhouse, grassland and pasture, soil rapid measurement, plant cultivation, etc.



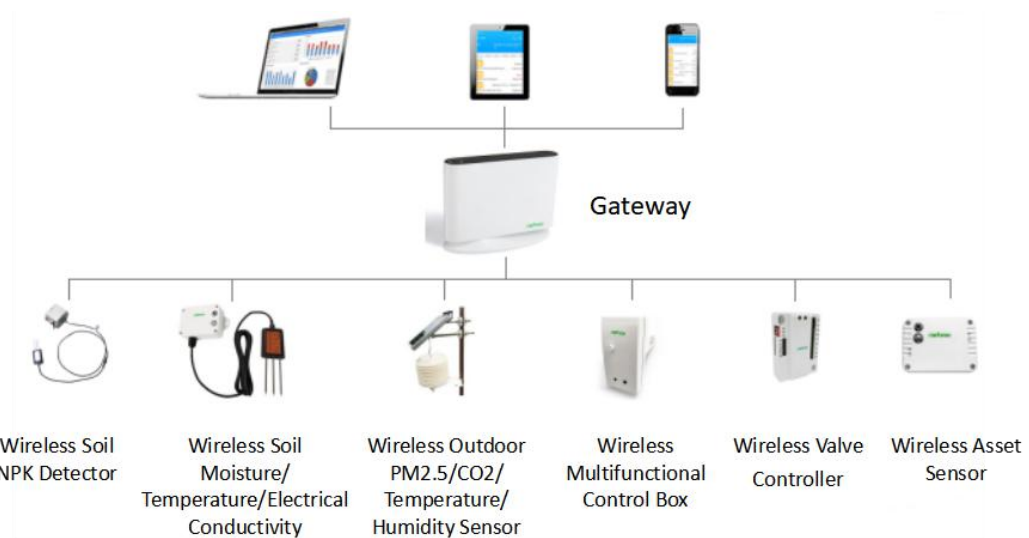
Notes

1. The device is suitable for measuring ordinary yellow, black or red soil.
2. The device is not applicable to saline-alkali land, sandy land, or other powdery objects with high salinity. The soil moisture should be higher than 25%.

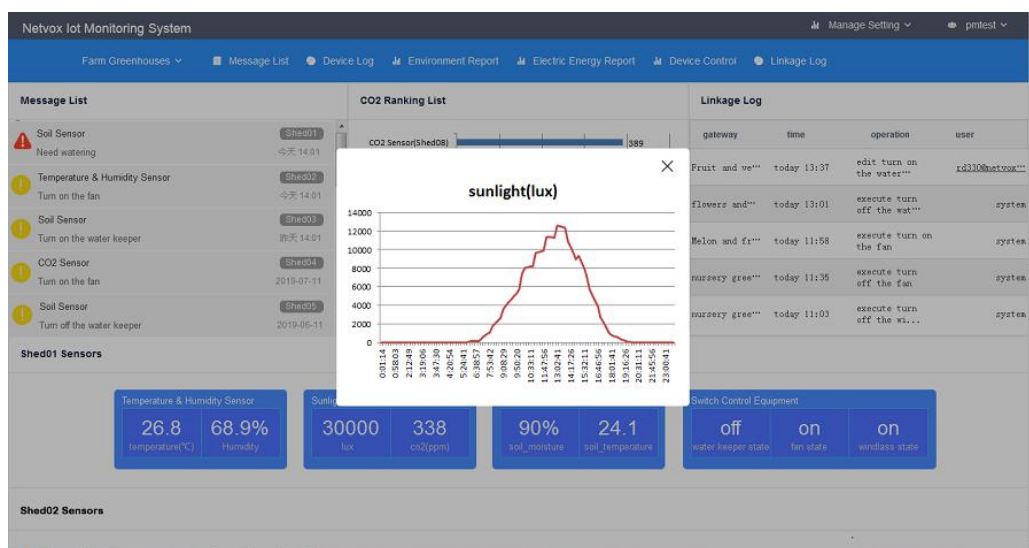
Netvox LoRaWAN Soil NPK Sensor is compliant with LoRaWAN 1.0.2 Specification.

It is also available in Netvox Proprietary LoRa Protocol:

Netvox Proprietary Smart Agriculture Solution:



Data platform



Users are able to view the data information of each sensor on the terminal platform. The system provides graph analysis function, such as curved line charts, bar graphs and pie charts, which makes it intuitive and convenient to view.

Please contact Netvox sales team for more information.



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