

Multilevel Soil Sensor

DATASHEET

Multilevel Soil sensor for smart irrigation systems



SPHERAG

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SPH-SSS-230

Overview

The multilevel soil sensor is capable of measuring soil temperature and soil moisture with high accuracy and the condition of your soil. The high quality probe with up to 4 levels of depth, which will allow you to achieve precision farming and efficient crop management. It avoids waste and ensures care of your soil.

General specifications

| | |
|---------------------|-------------|
| Working temperature | -20 ~ 60 °C |
| Supply voltage | 12Vdc |
| Interface | SDI-12 |

Mechanical specifications

| | |
|-------------------|----------------|
| Sensor dimensions | 465 x 33.5Ø mm |
| Cable length | 5 m |
| Weight | 300 g |
| IP rating | IP68 |

Soil temperature measurement

| | |
|------------|-------------|
| Range | -20 ~ 60 °C |
| Resolution | 0.01 °C |
| Accuracy | 1% |

VWC measurement

| | |
|------------|-----------|
| Range | 0% ~ 100% |
| Resolution | 0.01% |
| Accuracy | 2% |