

## Water Content Sensor

Each WCS-2 sensor includes a five-prong sensor assembly connected to an LCD communication module (Display Screen & Button). Use the WCS-2 by inserting the five prong sensor into the grow media to be measured, such as soil or rock wool. Place the sensor horizontally about  $\frac{1}{3}$  of the way up from the bottom of the grow media container or rockwool block. Multiple Water Content Sensors can be connected to the controller (up to 50 WCS-2 on the NFS-2 and HCS-2 controllers, 8 on the NFS-1 controller). The NFS-2 screen will display the value of the 3 parameters: Grow Medium Temperature, Moisture Level and EC) of each individual sensor.



The water content %, temperature and EC of the grow media detected, as well as the historical data graphs can be accessed on your Smartphone through the TM+ app. Notifications will be sent to the app when the WCS-2 readings exceeds the highest or lowest alarm settings.

## WCS-2

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Supply Voltage</b>        | 10.8-13.2 volts                     |
| <b>Input Current</b>         | 100-200 mA                          |
| <b>Operating Current</b>     | 140 typical mA (supply voltage=12V) |
| <b>Operating Temperature</b> | 32°-122°F                           |
| <b>Storage Temperature</b>   | 0°-140°F                            |
| <b>Humidity</b>              | ≤90%                                |
| <b>Packaging Dimension</b>   | 275mm(L) x 164mm(W) x 65mm(H)       |

|                   |                   |
|-------------------|-------------------|
| <b>Range</b>      | 0 - 20 mS/cm      |
| <b>Resolution</b> | 0.01 mS/cm        |
| <b>Accuracy</b>   | -0.2 - +0.2 mS/cm |

## WCS-2

### Water Content (WC)

|                   |           |
|-------------------|-----------|
| <b>Range</b>      | 0 - 100%  |
| <b>Resolution</b> | 1 %       |
| <b>Accuracy</b>   | -2 - +2 % |

|                   |            |
|-------------------|------------|
| <b>Range</b>      | 0°-122°F   |
| <b>Resolution</b> | 0.1°F      |
| <b>Accuracy</b>   | -1° - +1°F |

