

WCS-2

Water Content Sensor

The WCS-2 Water Content Sensor is specifically designed to measure the water content data (in percentage), temperature and the EC of the grow media in the Aqua-X, Aqua-X Pro and Hydro-X Pro Control System.

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.



Specifications

WCS-2

Absolute Maximum Ratings

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

Measurement Details

Water Content (WC)

Range	0 - 100%
Resolution	1 %
Accuracy	-2 - +2 %

Temperature

Range	0°-122°F
Resolution	0.1°F
Accuracy	-1° - +1°F

Electrical Conductivity (EC)

Range	0 - 20 mS/cm
Resolution	0.01 mS/cm
Accuracy	-0.2 - +0.2 mS/cm

Link Up

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