MBS-Pro
4-in-1 Sensor for Hydro-X Pro and Hydro-X Plus

The MBS-PRO 4-in-1 sensor combines a precision air temperature, humidity, CO2 and photocell sensor to create the perfect 4-in-one environmental sensor. It is designed for Hydro-X Pro and Hydro-X Plus.

Assembled using a water-resistant plastic injection enclosure and "push-lock" connection to make installation easy. The MBS-PRO can be placed in multiple locations throughout the growing area to provide spot measurements from multiple sensors. (Up to 50 sensors can be connected to the Hydro-X Pro)

The sensors can then be used together (averaged) or separately in order to control a specific section of the grow area by assigning a sensor to a specific control device.

The MBS-PRO built-in LCD display also functions as an on-site sensor display monitor.

*Note: The MBS-Pro requires the SPH-1 for supplemental power.

*Note: Sensors should remain dry and clean to prevent premature failure. Do not spray foreign substances or allow water / condensate on the sensors

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Specifications
MBS-Pro

Input Voltage

Voltage	14VDC

Working Environments

Temperature	32-120ºF (0-49ºC)
Humidity	5-95% (Non-condensing)

Maximum Current

Current	0.04A

Package Dimensions

Size	10.83"/ 275mm(L) x 6.46"/ 164mm(W) x 2.56"/ 65mm(H)
Gross Weight	1.28lbs/ 0.58kgs

Package Content

MBS-PRO Sensor	1pc
16ft RJ12 Cable	1pc
T-Shape Splitter	1pc

Dimensions

Size	4.65" /118 mm (L) x 4.96"/ 126 mm (W) x 1.14"/ 29 mm (H)

Range And Accuracy

Temperature Range	32-138.2°F
Temperature Accuracy	±0.36°F
Humidity Range	5-90%
Humidity Accuracy	±3%
CO2 Range	0-5000PPM
CO2 Accuracy	±30ppm± 5% of reading

Link Up
MBS-Pro

CONNECTION DIAGRAM

(Hydro-X Pro)

(MBS-PRO)

(SPH-1)

(MBS-PRO)

3.17"(80.42mm)

1.9"(48.42mm)

6.38"(162.00mm)

6.83"(173.50mm)

TrolMaster