

# Data Logging Solutions for Cannabis Cultivation



# Optimizing Growth Potential

## *Temperature, Humidity and CO<sub>2</sub> Monitoring in Real-Time*

### Element HT

#### Wireless Humidity and Temperature Data Logger

The **Element HT** provides real-time environmental temperature and relative humidity data. Recorded data can also be monitored remotely from a PC, tablet or smartphone using MadgeTech Cloud Services.

- Use real-time data to maintain proper environmental conditions
- React to and control changes associated with different growth phases
- Prevent mold through continuous RH monitoring
- Alarm notifications for over-humidification and low temperatures
- Precise monitoring at top of canopy or near HVAC/dehumidifier locations



### Element CO<sub>2</sub>

#### Wireless CO<sub>2</sub>, Humidity and Temperature Data Logger

Increased CO<sub>2</sub> levels encourage cannabis plants to grow, but too much CO<sub>2</sub> is just as toxic to them as it is to humans. The **Element CO<sub>2</sub>** allows growers to track temperature, humidity, and CO<sub>2</sub> levels together to get a complete profile of the factors affecting their plants.

- Help maintain CO<sub>2</sub> levels of 500 ppm to 900 ppm during Vegetative Cycle
- Prevent CO<sub>2</sub> toxicity
- Monitor increased levels from 900 ppm to 1400 ppm during 8 week Flowering Cycle



# pH Monitoring

*Measure and Verify Soil and Water pH*

## pHTemp2000

Control the pH of Water and Nutrients

Plants thrive best in an environment with a pH between 5.5 and 6.5. The MadgeTech pHTemp2000 takes the guesswork out of pH and temperature management, empowering growers with precise knowledge of their soil composition.

- Monitor soil pH levels
- Monitor water pH levels



## MadgeTech Software

Record, Report, React



### *Easy-to-use, Windows-based Software*

- Compare and analyze historical harvest data
- Identify trends that enhance or retard growth
- Adjust environmental parameters for future crops accordingly

### *Send data to the MadgeTech Cloud*

- Monitor grow conditions 24/7 from anywhere in the world
- Check real-time data from all loggers at once
- Receive alarms and notifications via text message or email





To determine the ideal solution for your application, contact  
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