

### Pre-Installation

Before installing your sensors in the field, set up and test your system (sensors and data loggers) in your lab or office. Make sure that you are using the most up-to-date software and firmware with Decagon data loggers. Visit the individual Decagon data logger product page for the most up-to-date software and firmware.

### Sensor Overview



VP-4

Barometric Pressure, Humidity, Temperature, Vapor Pressure



**ECT** 

Air Temperature



SRS

Measures NDVI or PRI Spectral Vegetation Indices



**LWS** 

Duration of Leaf Wetness



ES-2

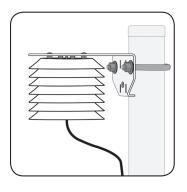
Electrical Conductivity, Temperature



RT-1

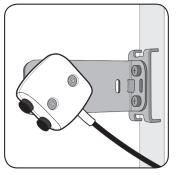
Rugged Temperature

# Installing Sensor



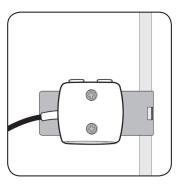
ECT / VP-4

Securely mount and level the sensor as necessary.



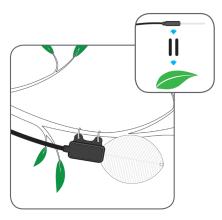
SRS Field Stop

Securely mount and level the sensor as necessary.



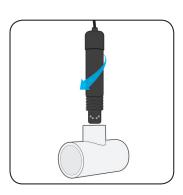
SRS Teflon® Diffuser

Securely mount and level the sensor as necessary.



#### **LWS**

Secure sensor to plant ensuring the sensor face is parallel with the adjacent leaf surfaces.



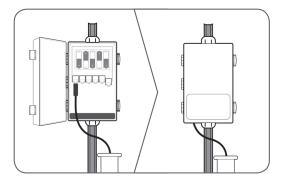


ES-2

Screw sensor into threaded pipe fitting.

#### RT-1

Insert the sensor into undisturbed soil and use the optional ProCheck to make sure your sensor reads accurately.

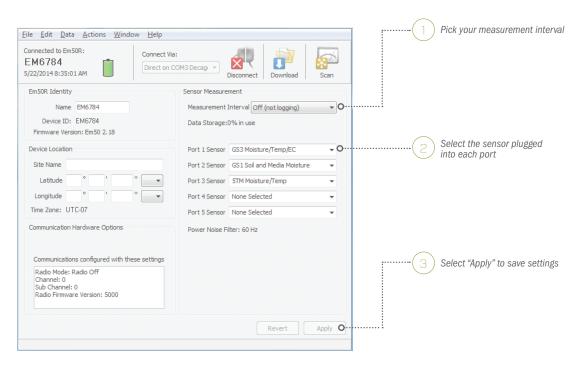


#### Plug in Sensor and Configure Logger

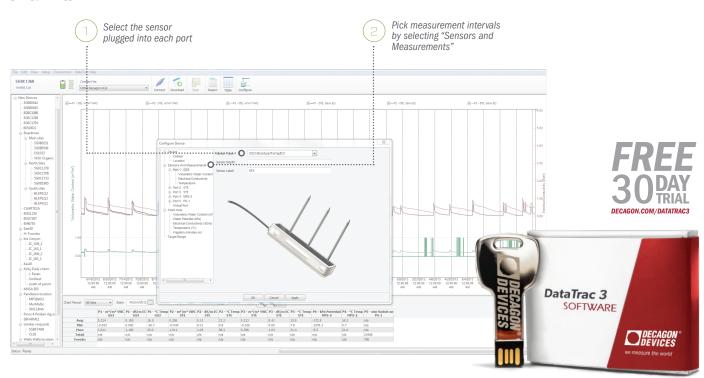
Always protect the cables with PVC casing above the ground surface. See next page for more details about configuring your sensor.

# Logger Configuration

Configuring your logger in ECH20 Utility



#### Configuring your logger in DataTrac 3

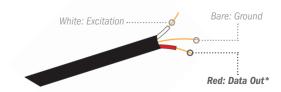


### Non-Decagon Loggers

Our user manuals and integrator's guides have complete information for interfacing Decagon Sensors with non-Decagon loggers. In addition, we suggest that you use the specific logger manual during set-up.

#### Sensor Cable 3-Wire Interface





Model	Excitation	Output
LWS	2.5-3.6 V	Analog
ES-2	3-15 V	SDI-12
VP4	3-15 V	SDI-12
SRS	3.6-15 V	SDI-12

NOTE: Decagon does not support the use of the Temperature or Temperature/Relative Humidity sensors with non-Decagon data loggers.

Notes:		

### Related Products

