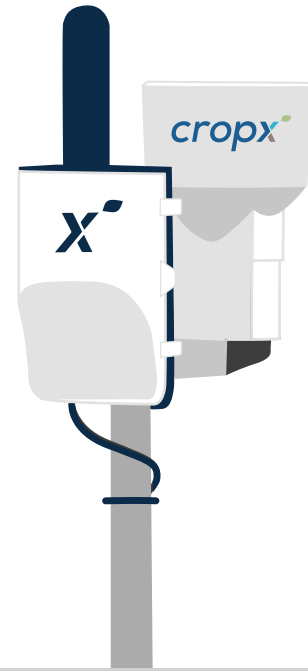


CropX Telemetry



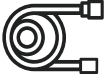
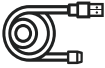


Installation Guide



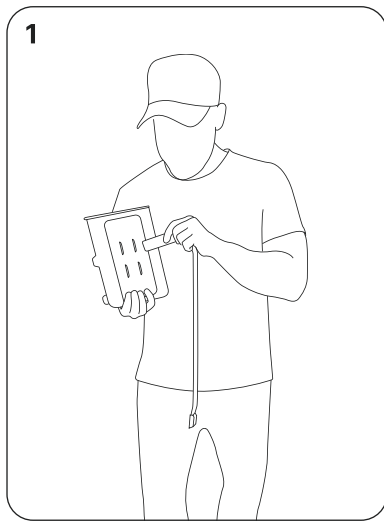
This manual provides step-by-step instructions for installing a CropX Telemetry device in your field.

****Note:** Prior to installing your device, you should create an account and set up your fields.

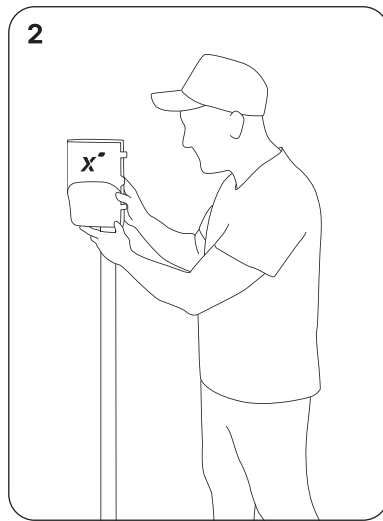
The sensor is shipped with a matching installation kit

A		Telemetry Device
B		Antenna
C		Antenna extension
D		Micro-USB cable
E		Solar panel (optional)
F		Rain Gauge (optional)

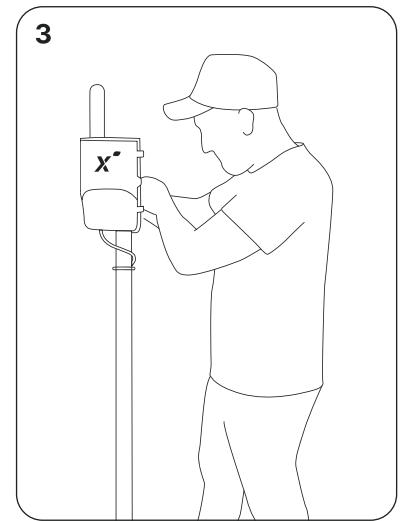
The installation in the field



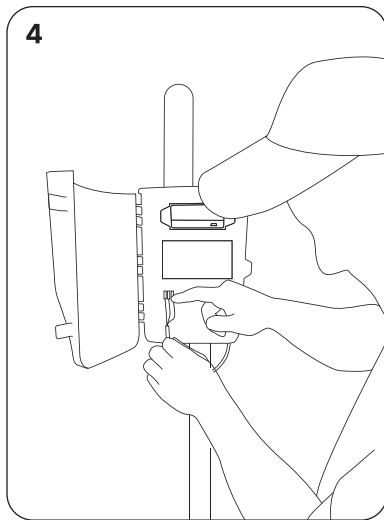
1 Attach provided hose-clamp(s) to the back of the Telemetry. Or use other means to attach the Telemetry, like zip ties.



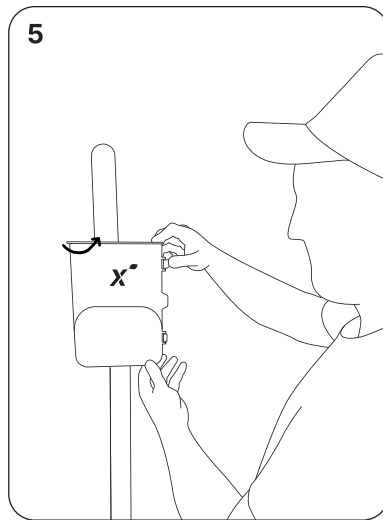
2 Drive a pole into the ground, making sure it is placed deep enough to stay upright and attach the Telemetry to the pole.



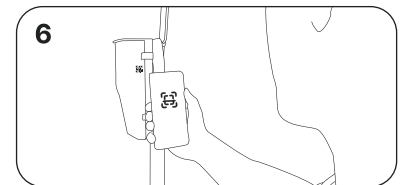
3 Connect the antenna either directly to the back of the Telemetry or use the extension cable to be able to put it in a higher position when the mobile signal is poor or the crop would block the signal.



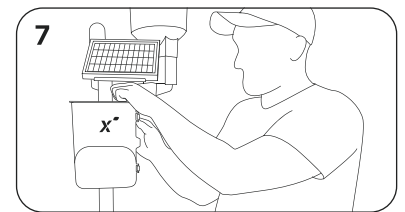
4 Connect the soil moisture or other sensors to the correct port (See wiring scheme below). Take good note of proper order of the individual wires.



5 Close the Telemetry door. Make sure that the CropX app is allowed access to the camera.



6 Scan the QR code in CropX app

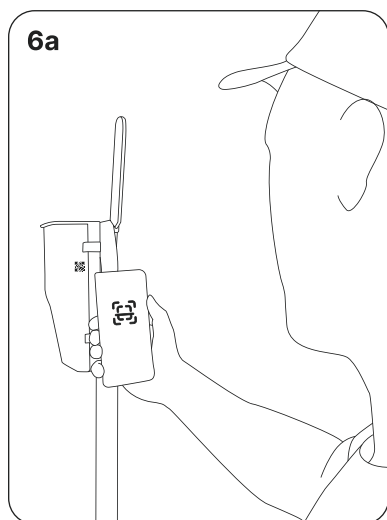


7 The solar panel slots in directly at the back of the Telemetry. When using a solar panel, make sure it is facing south in the Northern hemisphere and faces North in the Southern hemisphere.

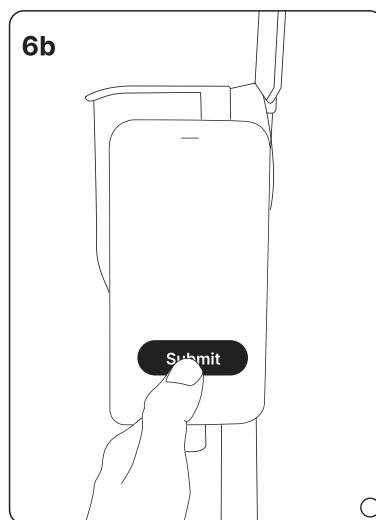
Wiring Scheme

SDI-12(A)			SDI-12(B)			Pulse(A)		Pulse(B)		Current Loop			
Power	Data	GND	Power	Data	GND	Signal	GND	Signal	GND	Power	Power	Sense	GND
●	●	●	●	●	●	●	●	●	●	●	●	●	●
Examples: Sentek, Aqua Check, TerraSen						Examples: Rain bucket, flow meter, Pump switch				Example: Effluent pond level meter			

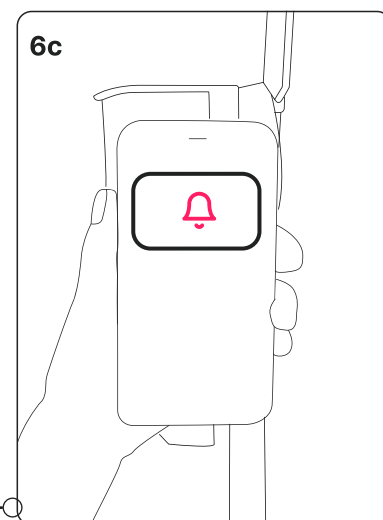
Closing the loop



6a Scan the QR code in the CropX app.



6b Fill in all the necessary details in the form and click Submit



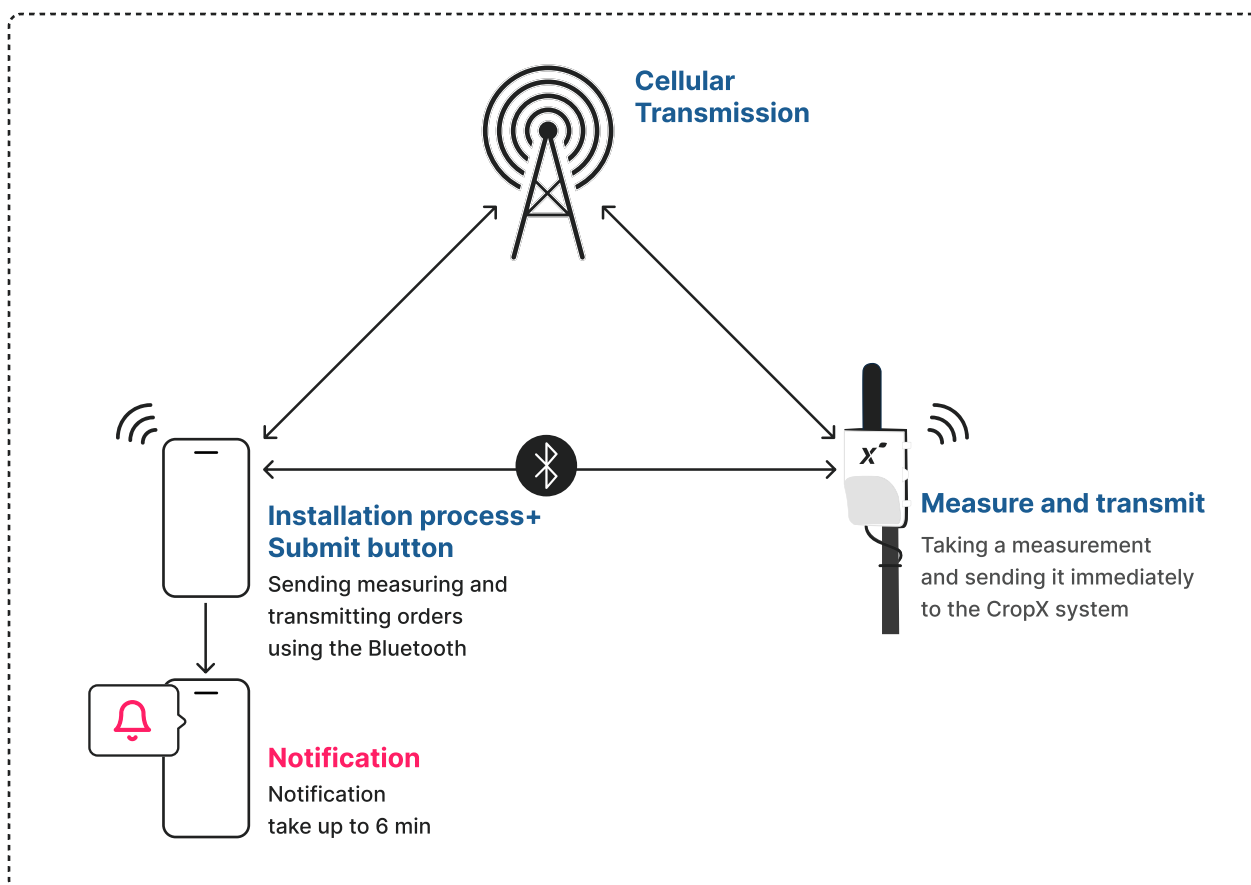
6c The installation has been completed. In a few minutes you will receive a notification

*See a schematic of the operation below.

Transmission verification during installation

Now, with the help of Bluetooth and cellular communication from the sensor, we will make an attempt to transmit to the CropX system to verify that the sensor is in a place with cellular coverage and is working properly.

*make sure your BLE service in your mobile device turn on.



Technical Data:

Battery and Power:



Risk of explosion if battery is replaced by un-authorized personnel



Dispose used batteries according to the local regulations.

3.7V/10.4Ah/38.48Wh (Two Li-Ion battery pack)

Charging at: 5VDC @ 2A max

Environmental grade:



CropX Pro/Deep sensors comply with outdoor grade IP68

Temperatures range:

Storage range -14°F to 158° F (-10°C to 70°C)

Operating range -22°F to 185°F (-30°C to 85°C)

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