



## Monitoring System SE100-V

(Applies to models SE100-V-2; SE 100-HT; SE100-T; SG100-V2)



CDL Maple Sugaring Equipment Inc.

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Thank-you for choosing a CDL monitoring system. Our years of experience serving maple producers guarantees that you have acquired an efficient and good quality piece of equipment. Before installing and operating the equipment, make sure you understand all of the instructions in this manual. In addition, if any problem occurs upon receipt of your equipment, immediately contact your local representative or CDL.

## FINDING THE INFORMATION

**Take note of the following details for future reference:**

Purchase date : \_\_\_\_\_

Model Number : \_\_\_\_\_

Serial Number : \_\_\_\_\_

\* The serial number is located on the back of the device.



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## LIST OF MATERIALS

Upon receipt of the device, make sure you have all the necessary components:

- 1 SE100-V vacuum probe with solar panel
- 1 101,6cm (40 inches) elastic support
- 1 user manual

## SAFETY

At first glance, there is no risk associated with using the probe in the forest. But when installing the unit, be vigilant. Be careful not to stumble and injure yourself. The probe contains Li-ion batteries and electronic components, do not put in the garbage, send them to recycling. The CDL monitoring system is equipped with a security key that prevents theft and fraudulent use.



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## INTRODUCTION

Your vacuum probe at the end of your main lines is a high precision device, manufactured with quality components to give you the best possible tool for detecting vacuum leaks. This instrument has been inspected to the highest standards in the industry. Each function of the device has been verified by a specialised technician.

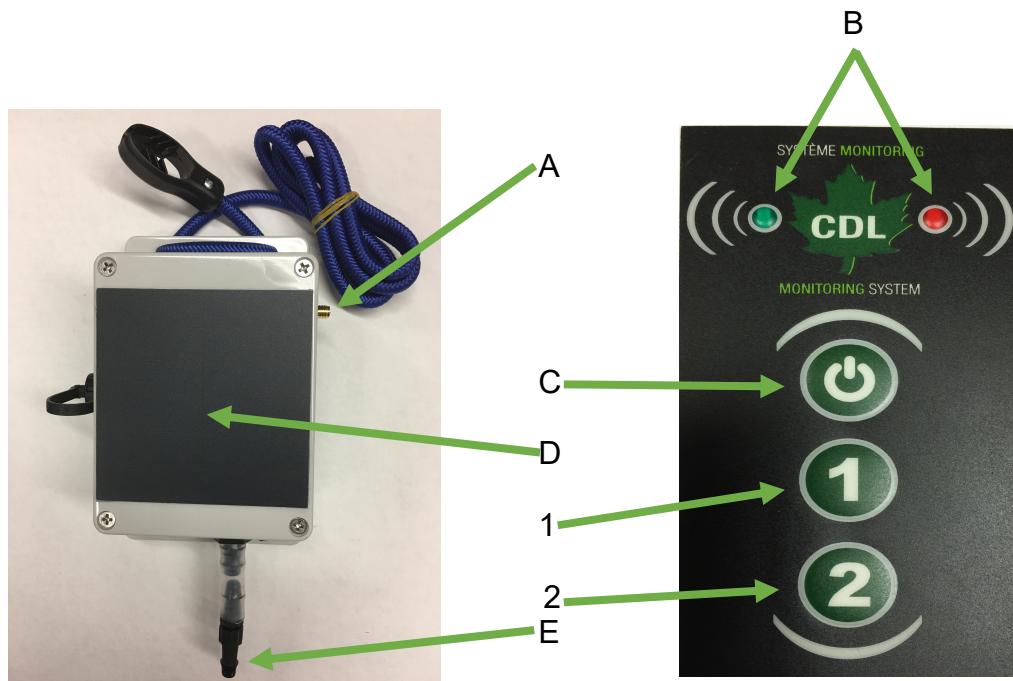
It is important to familiarize yourself with the device before concluding too quickly that an installation is adequate. You can imagine the cost of a vacuum leak, however small, if it is present throughout sugaring season. A leak at the very beginning of a vacuum system represents an immense loss because it will affect the entire system.



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## TECHNICAL INFORMATION

- The Vacuum probe should preferably be installed on a tree of 4' or less in diameter.
- The Vacuum probe must be installed with the solar panel facing south.
- The Vacuum probe has three push buttons (On / Off (C), (1) = Pairing, (2) = Refresh).
- The Vacuum probe has two directional antennas, a solar panel, a temperature probe, a GPS probe and a 5/16 tube insertion input.
- The Vacuum probe is weather resistant, but must not be submerged.
- The probe is designed for permanent installation or can be removed at the end of your season if desired.
- The vacuum probe has a unique safety key during pairing, thus preventing fraudulent use or theft of the probes.



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## OPERATION

- A- Directional Antennas
- B- Operating light (Green= Connected, Red = Not connected)
- C- Switch (Start / Stop)
- D- Solar panel
- E- 5/16 tube insertion input
- 1- Pairing
- 2- Refresh

### How to operate the device :

1. Start the probe (C), the green light will flash.
2. Press and hold (1) until the lights (B) interchange from green to red.
3. Determine a new security code that may include letters or numbers and that are different from the default code 0000.
4. Pair the sensor with the gateway in the CDL software with your new security code. When the pairing is successful, the light (B) will turn green.
5. Shut the probe (C), the light will turn off.
6. Installation of the probe in the forest, probes must be at a maximum of 1000 to 1200 feet from each other for proper operation.
7. Restart the probe (C) to check the connectivity and have its GPS position in the CDL software.
8. Repeat steps 1 through 6 for each probe to be installed.



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## SPECIFICATIONS

- Battery life: 3-4 months without charging and with sufficient solar charge, indefinitely or up to battery replacement.
- Operation temperatures: -30C to 40C

## MAINTENANCE

Maintenance of this device is very simple. Only a change of batteries is necessary after three to five years of operation.

## TROUBLESHOOTING

When the green light flashes, the system is operational and connected. If the light is red, the probe is incapable of connecting, you must get closer to establish a connection.

If other problems, please contact CDL Technical Support (800-361-5158)



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## THE WARRANTY

Vacuum sensors are covered by a 2-year limited warranty. For a period of 2 years from the original date of purchase, Les Équipements d'Érablière CDL Inc. will repair or replace parts of this product that are defective in materials or workmanship, if installed, used and maintained according to the instructions provided. If it can not be repaired, a new appliance will be returned, if it is within the two-year warranty from the date of purchase.

### Exclusions

This warranty does not cover the following:

1. Products with the original serial numbers removed, altered or that are not easily readable.
2. Equipment that changed owners or that is outside of North America.
3. If the CDL maintenance procedure is not followed.
4. The production losses due to any problem with the probes.
5. Any revenue losses caused by a defect in the system or a device.
6. Service calls that are not related to a malfunction, a manufacturing defect or a defect in material, or for products that are not used in accordance with the instructions provided.
7. Service calls to check the installation or for instructions on using the device.
8. Service calls after 2 years.
9. Damage caused by: repairs made by unauthorized technicians; The use of parts other than the original CDL parts or the use of parts that have not been obtained through an authorized technician; Or external causes such as abuse, misuse, accidents, fires or natural disasters.
10. If the detector has been damaged by abuse, neglect, modifications made by the customer.
11. Damage caused by the use of products not intended for use in this device or by misuse of cleaning agents.



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### **Warning concerning warranties; Limitations of use**

The only recourse for the customer under this limited warranty is the repair or replacement of the product as described above. Claims based on warranties, including warranties of merchantability or adaptation to a particular use, are limited to the shortest period permitted by law, which can not be less than two years. CDL Maple Sugaring Equipment Inc. will not be held liable for incidental or consequential damages or material damage. Some states do not allow limitations or exemption for incidental or consequential damages or restriction of guarantees. In this case, this limitation or exclusion may not apply. This written warranty gives you specific legal rights. According to the state or province, it is possible that you have other rights.

### **If you need to call for repair**

Keep your receipt, delivery slip, or any other appropriate payment record to establish the warranty period in case you ever need to call for repair. If a repair is performed, it is in your best interest to obtain and keep all receipts. The service you are entitled to under this warranty must be obtained by contacting CDL at one of the addresses or phone numbers below.

The service for your monitoring system will be done by CDL in Canada. The characteristics described or illustrated and specifications may be changed without notice.

If you live in Canada, please call:

CDL Maple Sugaring Equipment  
257 Route 279  
St-Lazare-de-Bellechasse, Québec, Canada  
G0R 3J0  
(418) 883-5158  
(800) 361-5158

If you live in the U.S.A., please

CDL USA  
3 Lemnah Drive  
St. Albans, VT, 05478  
(802) 527-0000  
(800) 762-5587



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2AKDNCDLSE100

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the power off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a different circuit from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician.



22160-CDLSE100

Industry Canada Notice and Marking Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

