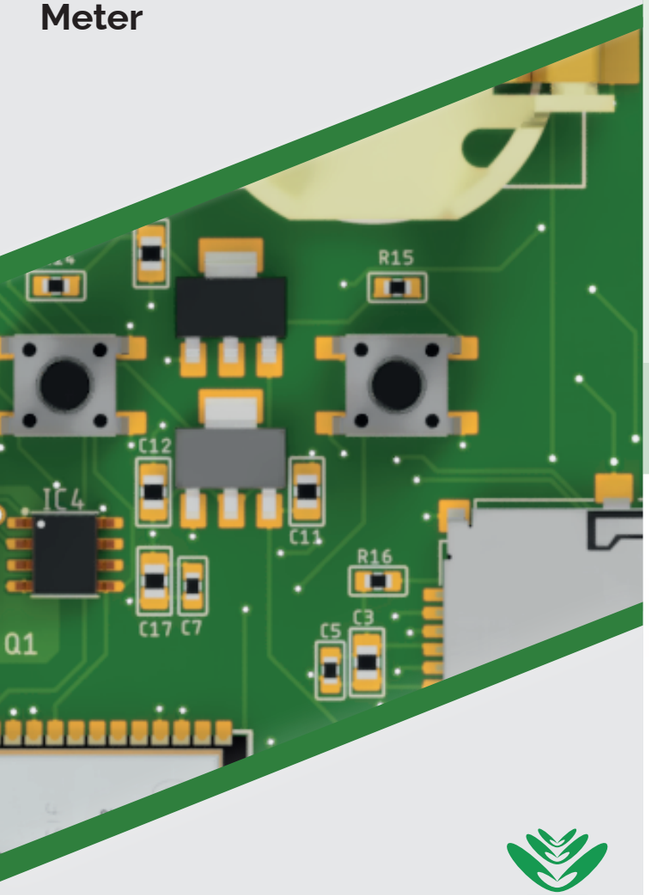
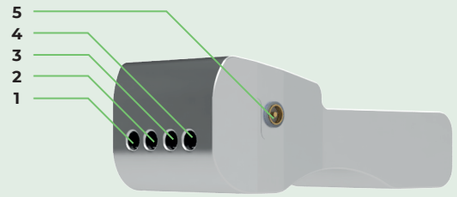
www.credosense.com

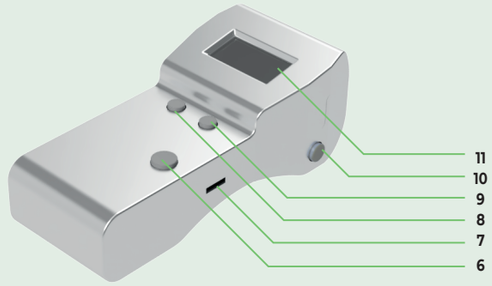
Universal Environmental Meter



CREDOSENSE
Resilient, Accurate, Affordable

CredoSense uses innovative design and a unique hardware setup to offer fast, reliable, and highly accurate sensor-logger solutions at an extremely affordable price. Our systems are carefully calibrated and tested extensively in diverse environments under various stresses. Our products are manufactured with industry-grade materials suitable for both scientific and industrial applications. We guaranty the highest utility per precious dollar spent.





1. Current port: For sensors with mA output (0.1mA to 100mA)
2. SDI-12 port: Connector for SDI-12 sensors.
3. CS-SM2 port: This port is dedicated to the CS-SM2 soil moisture sensor from CredoSense.
4. Voltage port: Connect any sensor that gives a 0 to 5v voltage output in this port
5. DC jack: A DC barrel jack for supplying external power. This can be used instead of using a 9 volt battery. Power supply can be in the range of 6 to 12v DC.
6. Power switch: Push to power on the meter. Push again to power off.
7. microSD slot: A microSD card needs to be inserted here. Supports up to 32GB.
8. MODE button: Pushing this button switches between modes.
9. SAVE button: This button saves the data shown on meter to the microSD card.
10. Output voltage modifier: The output voltage or excitation voltage (Vout) can be modified using this knob.
11. Display: Displays data and related information.

CS-UEM-04

Universal Environmental Meter

CredoSense Universal Environmental Meter (UEM) offers a unique solution for all of your environmental surveying needs. UEM allows connection to sensors with analog voltage or current and SDI-12 outputs. This meter also has a dedicated port for the CredoSense soil moisture sensor. With an ergonomic and rugged design, the OLED display of the UEM offers outstanding visibility both in dark and bright environments. The meter runs on a 9 V battery and can also be powered using an AC-DC adaptor (9-12 V). It stores data in the convenient CSV format on a microSD card (32 GB), easily accessible to users. The meter can also be configured by simply editing a text configuration file stored on the microSD card.

SPECIFICATION

- Resolution: 1 mV | 0.1mA
- Input voltage range (max): 5000mV
- Input current range (max): 100mA
- Data storage capacity (max): 32 GB
- Storage type: MicroSD Card
- Power requirement: 9–12V DC
- Sensor voltage output range: 3.3–12V
- Sensor current output (max): 150 mA
- Operating temperature: -40°C to +60°C

KEY FEATURES

- Coefficient of Variance-based Stability Detection (default 1% but customizable) for logged data (mean of 100 readings as default but customizable).
- Real-time graph of voltage, current, and soil moisture measurements
- Offers customizable excitation output voltage (3.3–12 VDC) to suit your particular sensor needs.
- Wifi-enabled automatic detection of date and time and has a dedicated clock for precise timekeeping.
- Each data is recorded with a date-time stamp.
- Automatic detection of SDI-12 sensor address (can also be configured for faster operation).

We offer up to 10% discounts on all products on top of our already low price for educational institutions in developing countries, STEM education, young researchers, and small-scale farms. Contact sales@credosense.ca for pricing.

We spend the least on marketing so that you can buy at an affordable price. Please help spread the word.

Interested in trying CS-UEM-04 ?
Please email: sales@credosense.ca

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