

The IRROcloud® IC-10 Sensor Monitor is a battery-powered, cellular-enabled sensor reading solution. Designed for easy outdoor installation, the IC-10 can read up to ten sensors including soil moisture, air and soil temperature, irrigation events, and a tipping bucket rain gauge. Data is recorded hourly and transmitted every other hour to the IRROcloud® web application accessible from any connected device. Data displayed on IRROcloud® allows for easy interpretation of status and trends to help growers enhance irrigation water use efficiency. A version is available for reading scaled pulse output flow meters, reporting total run times and flow amounts.

IC-10 Features:

- Pre-configured sensor ports
- No sensor calibration
- No installation height requirement
- No solar panel required
- Direct cloud connection, no additional hardware
- Internal antenna

IRROcloud® Features:

- Data available in real-time from any mobile device or computer
- Quick View Dash: Device and sensor status with adjustable thresholds
- Graphing Suite: Interactive graphing function for detailed analysis
- Mapping: Allows for quick visualization of device location and status
- Data Control: Administrative tools to share access with multiple users
- REST API available for integration with other systems Frost alerting option



Specifications:

WEIGHT: IC-10: 2.10 lb / 0.95 kg IC-10-IR : 2.60 lb / 1.17 kg
DIMENSIONS: H x W x D: 10.25 x 5.25 x 3.30 inch / 260.35 x 133.35 x 83.82 mm
POWER: One 19Ah 3.6V LiSOCl₂ D Cell, 4 to 5 years expected life
FROST ALARM (Optional): 34°F (1.1°C), via Text Message
MOUNTING: Integral molded flanges with multiple hole options
COMPLIANCE: FCC (USA) & IC (Canada)

CELLULAR: LTE-M (CatM1) & NB-IoT

- Up to 23dBm transmit power
- Receive sensitivity dBm: LTE-M -105, NB-IOT -113
- Bands 1,2,3,4,5,8,12,13,18,19,20,25,26,28,29

SENSOR OPTIONS:

- 6 Soil Moisture Sensors, either:
 - 200SS Watermark
 - IRROMETER RSU-V Tensiometer
- 1 200TS Soil Temperature Sensor
- 1 200AT Air Temperature Station (frost alert capable)
- 1 Irrigation On/Off Switch
- 1 Tipping Bucket Rain Gauge (0.01" rain / tip)
- Flow meter option (-F), accepts 10 or 100 gal per pulse outputs
 - -F version does not support Rain or On/Off inputs

Ordering Information:

Available as a data logger only (with no included sensors) or bundled with a sensor package:

CAT#	Description
IC-10	IRROcloud® Sensor Monitor (without sensors) for reading Watermark 200SS sensors
IC-10-IR	IRROcloud® Sensor Monitor (without sensors) for reading IRROMETER RSU-V Tensiometers
IC-10-PRO	IRROcloud® Sensor Monitor with 6 200SS Watermark sensors, 1 200TS Soil Temp sensor, and 1 PPS Pressure Switch
IC-10-F	IRROcloud® Sensor Monitor (without sensors) Flow Meter Version