

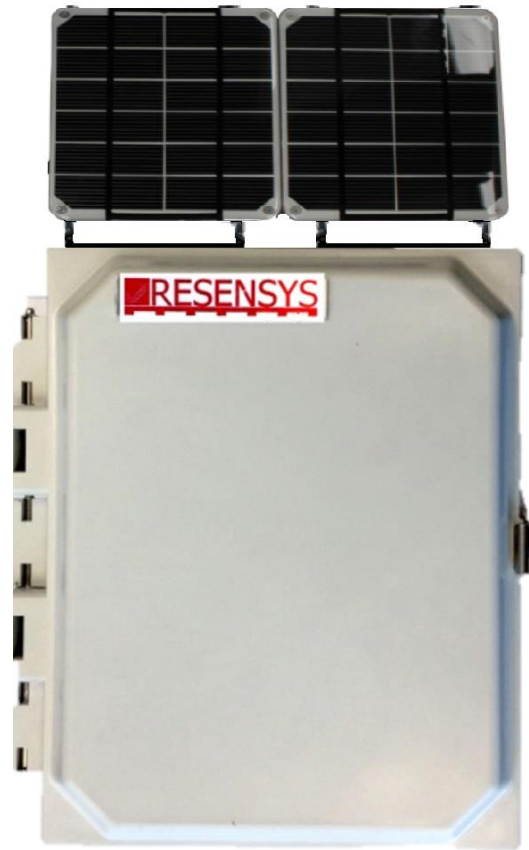
### Features

- **Ultra-low power:** consuming only 20mW
- **Energy self-sufficient:** powered by ambient light; when battery fully charged, operates more than three weeks in absence of light
- **Wireless protocols:**
  - IEEE 802.15.4 (for communication with SenSpot™ sensors)
  - CDMA, GPRS, HSPA+, 3G, 4G LTE, 5G (for communication with remote monitoring center)
- **Ingress Protection:** IP67, weatherproof and protected against rain, snow, and UV exposure
- **Coverage:** up to 100 SenSpot™ sensors
- **Lightweight:** 1.5Kg (3.3 lbs.)

### Applications

Resensys SeniMax™ is a low power and high-performance data collector and remote communication device. SeniMax™ communicates with SenSpot™ sensors using IEEE802.15.4 protocol. Additionally, SeniMax™ has capability to communicate the aggregated data of SenSpot™ sensors to any remote data center using Ethernet, or cellular data services.

In a remote measurement and monitoring architecture, SeniMax™ is the gateway for transmitting data of SenSpot™ sensors to a remote monitoring center. SeniMax™ receives data of Resensys SenSpot™ sensors using its wireless interface, and communicates it to a remote server using cellular data services (4G, GPRS, CDMA, HSPA, etc.).



SeniMax™ is the ideal solution for applications involving distributed sensing and data acquisition where access to main power or communication infrastructures is unavailable, offering a solar-powered option. Specific applications include structural integrity monitoring for highway bridges, construction projects, pipelines, and more. Additionally, a mains-powered option is available for applications such as building and roof monitoring.

## SeniMax™ Dimensions: Main Box

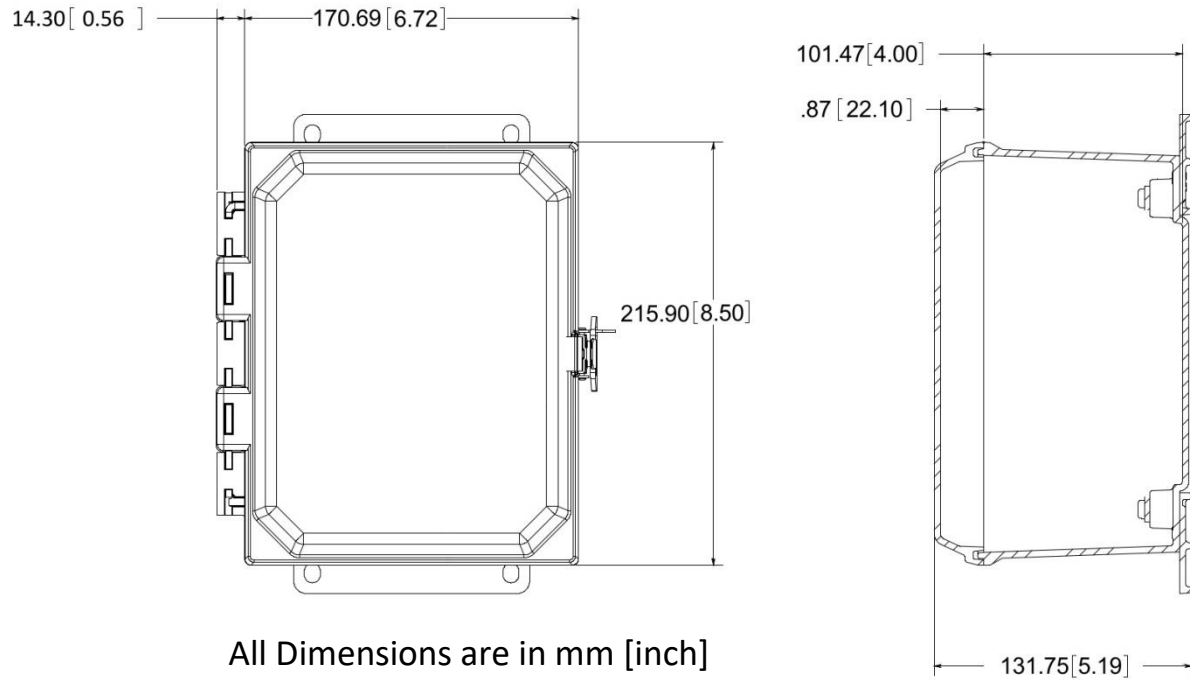


Figure: Dimensions of SeniMax™ main box

## Installed SeniMax™ Pictures

