



The Inovonics EN1702 current/voltage data transmitter offers the flexibility of an Inovonics universal transmitter, with out-of-the-box compatibility for both voltage and current analog sensors, to support a variety of data logging applications. The EN1702 current/voltage data transmitter can be used to wirelessly monitor and measure conditions including differential pressure, tank level, gas and volatile compound levels, extremely high and low temperatures, current consumption, and more.

### Product Features

User selectable analog sensor configuration of 0-5V, 0-10V or 4-20mA

Dual input allows the monitoring of two identical analog sensors

16-bit measurement resolution with 1.0% measurement accuracy

### Product Specifications

Weight: 1.9 oz

Typical battery life: 8 years at a 5 minute transmission interval

Internal battery type: Panasonic CR123A

Compatibility requirements: Must be used with the Inovonics EN4000 serial receiver or EN6040 network coordinator; requires an application designed to support advanced functionality.

### Inovonics-tested sensors:

Carbon dioxide (CO): Kele® Model CD-A carbon dioxide sensor; Omega Engineering® TXCO-50 series carbon monoxide transmitters

Relative humidity: Omega Engineering HX71 series relative humidity sensor/transmitter

Temperature: AutomationDirect® ProSense® head mount RTD temperature transmitters; Omega Engineering TX-M12-RTD series RTD transmitters

Thermocouples: Jumo® mineral-insulated thermocouple with bare connection wires to DIN 43710 and DIN EN 60584 (901210); RS Pro® thermocouple and extension wire type N 2 Core PVC sheath 100m

Differential pressure: Omega Engineering PX274 or PX277 series differential pressure transmitters

Pressure transducer: Omega Engineering PXM309 series industrial pressure transducers

Volatile organic compounds (VOC): Rae Systems® RAEGuard 2 PID detector

### Mounting plate



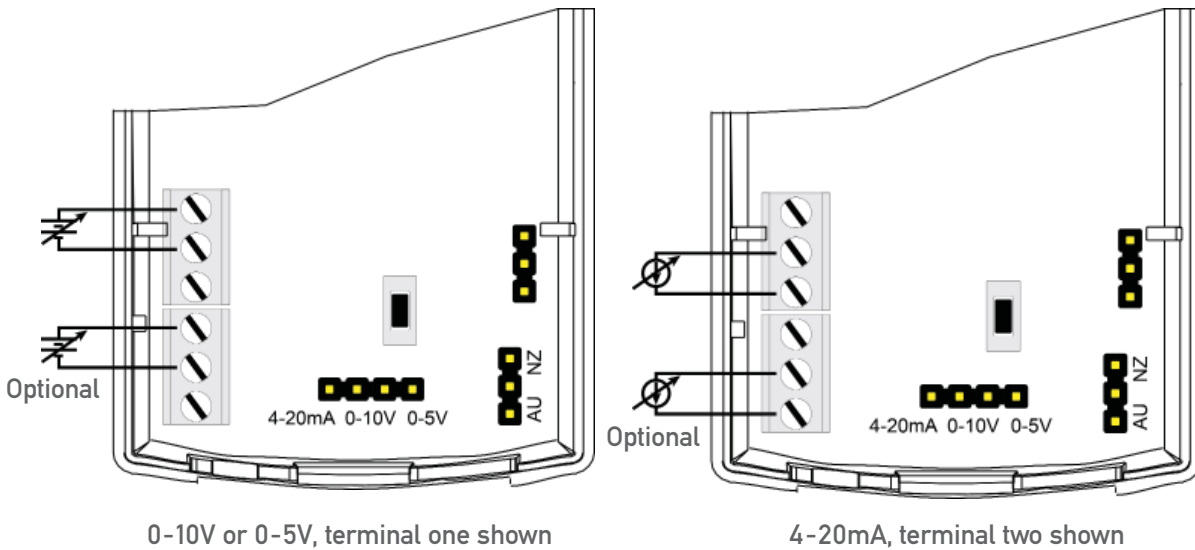
The transmitter mounting plate hinges to the transmitter. Just mount the plate and snap the transmitter in place.

## Product Specifications

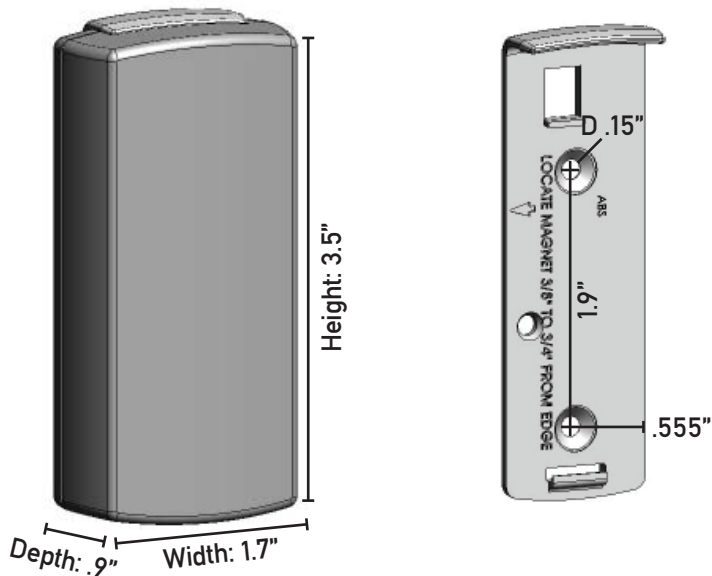
### Operating environment:

|                          |  |
|--------------------------|--|
| Temperature:             | -4 to 140°F                                    |
| Humidity:                | Up to 90% (non-condensing)                     |
| Market:                  | North America, Australia, New Zealand          |
| EchoStream® frequency:   | 902-928 MHz, frequency hopping spread spectrum |
| Check-in time frequency: | 5 minutes                                      |
| Regulatory compliance:   | FCC, RoHS                                      |

## Inputs



## Dimensions



## Reference Materials (available at [www.inovonics.com](http://www.inovonics.com))

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[EN1702 Current/Voltage Data Transmitter Installation Instructions](#)

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[EchoStream Developer Guide](#)

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[Inovonics Product Catalog: North America](#)

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- The range and performance of any wireless product depends on the structure and environment in which it operates.
- Continual enhancements to our products may cause specifications to change without notice.
- Patents: 7,154,866; 7,554,932; 7,746,804; others pending.

## Technical documents

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For technical documents visit us at <http://www.inovonics.com/support/tech-documents/> or use the QR code below.

