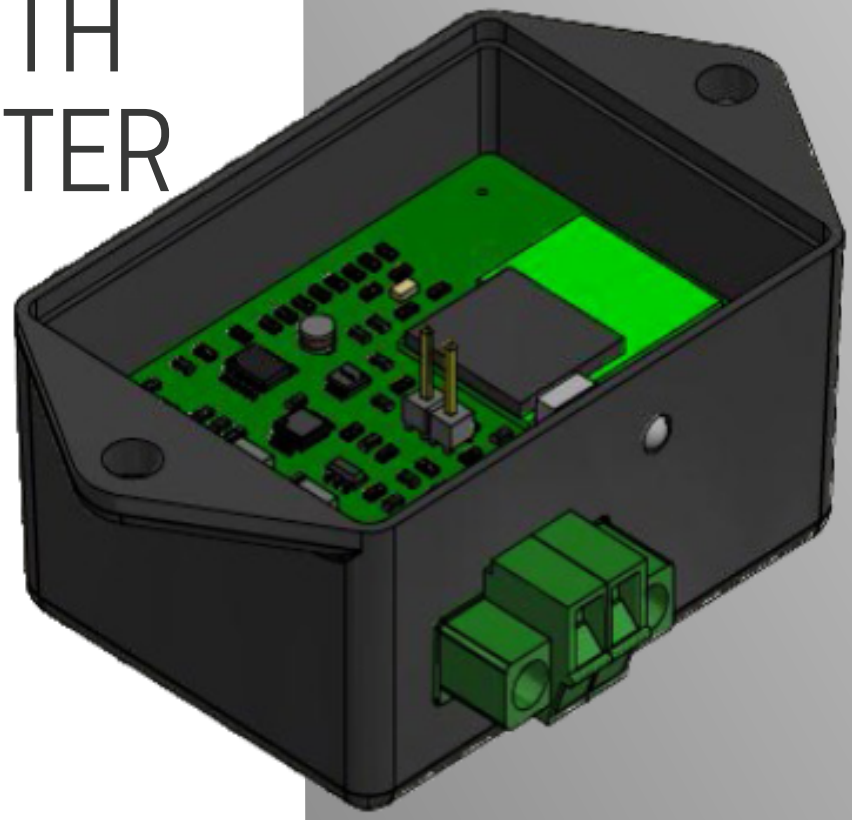
4-20MA BLUETOOTH TRANSMITTER



This novel device is engineered to transmit data derived from a standard 4-20mA signal. Once recorded, this data can universally be sent via bluetooth to any integrated software program for data analytics, logistics, and coordination purposes. Developed by Comtech Industries Inc. to send level data from trucks in real time, this device has numerous applications across industries.

FEATURES

- 4-20mA Loop Powered
  - Power is derived from 4-20mA sensor output
- Simple BLE API
- Factory calibrated using a 2-point calibration model
- Field calibrated with password access
- Configurable device names with password access
- Easy to use terminal connections to reduce install time
- Electronically protected
  - Reverse input & surge protection
- Can be combined with RFID technology

BENEFITS

- BLE 5.0 Compatible Device
  - Device uses LESC "Just Works" pairing for ease of use
- Streamlines BLE client development
- No external battery or power supply is neccessary
- Sealed enclosure for use in moist or humid environments
- LED output indicates device state to the user
- Device can be re-calibrated after installation to maintain accuracy during device lifecycle
- Passwords can be unique to each customer

COMTECH INDUSTRIES, INC.

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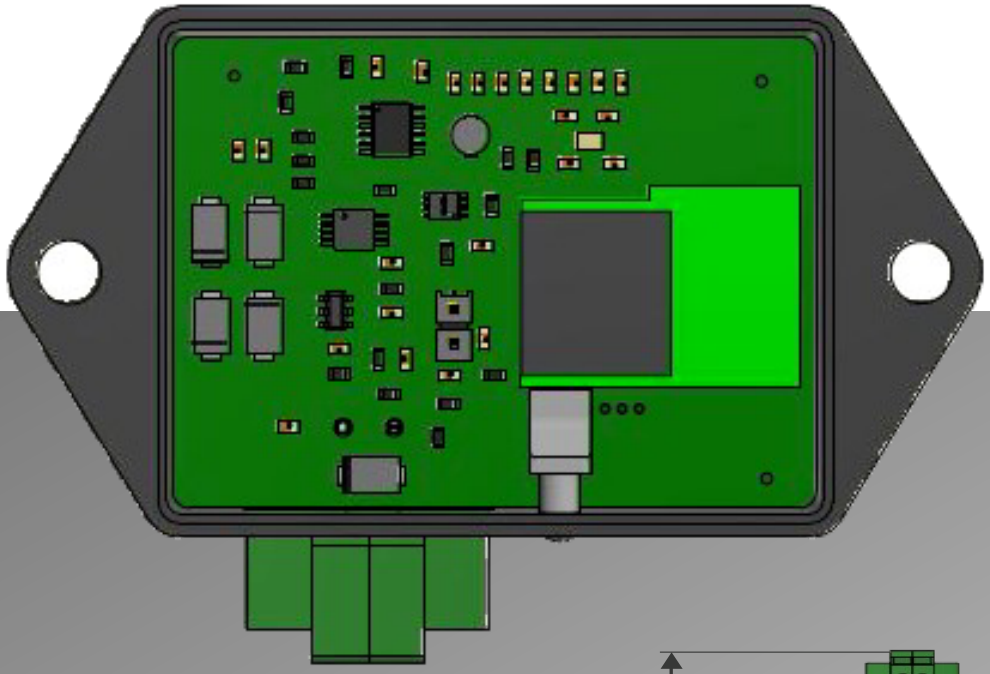
OPERATIONAL USE

- This bluetooth device is used to transmit data that is collected from the Hydro-Gauge through a 4-20mA signal & insert it into a software platform used for logistics purposes.
  - The Hydro-Gauge is a tank level monitoring system developed by Comtech Industries, and is accurate to 99.99%.
- This device can be used in various other industries:
  - HVAC/R industry
  - Level Indication
  - Radar Integration
  - Any device that transmits a 4-20mA signal



TECHNICAL SPECIFICATIONS

- nRF52840 QIAA ARM Cortex M4F processor
- 1/3Hz heartbeat LED output
- 16-bit ADC for loop current measurement
- Resolution of 1uA
- Radio transmission power of 0dBm
- Receiver sensitivity of -96 dBm at 1Mbps
- Temperature range of -40C to 85C