

Zephyr

The Ultimate Wireless Gauge

A revolutionary, **Ultra Low-Power, Class 1 Division 1, 11 Sensors-in-1 Wireless Gauge**, redefining the boundaries of data acquisition.



THE FIRST OF ITS KIND!



Seamless Connectivity, Unrivaled Flexibility

- (2) Onboard sensors, including a temperature sensor and IMU with an accelerometer
- (9) Additional external, hardware configurable sensor inputs (4-20mA sensors, voltage input sensors, strain gauge sensors, thermocouples, etc.)
- Supports (4) wireless infrastructures: BlueTooth, Wi-Fi (2.4GHz and 5GHz), 900MHz Mesh Networking, and LoRaWAN
- Ultra low-power, runs on batteries for up to 3 years, depending on sample rate
- Includes encryption technology to secure data and onboard storage
- Class 1 Division 1, Explosion-Proof enclosure
- Supports most Machine-to-Machine communication protocols
- Readily available
- Made in North America

Couple with the BlackDAQ Data Acquisition System



- Modular, all-in-one system combining best-in-class components and capabilities
- Expansive connectivity options, including 12 x 4-20mA inputs, 24 x 3.3V digital I/O, SPI, I2C, and serial interfaces
- Communication protocols include Gigabit Ethernet, WiFi, Bluetooth, Cellular, 900 MHz point-to-point communication, and LoRaWAN
- Rugged, industrial-rated package built to perform in the harshest environments from -40°C to 85°C
- Onboard processing with embedded Linux OS, 256GB local storage, and with additional MicroSD and USB expansion ports with integrated battery and charger
- Advanced features like 3D IMU, temperature sensor, power management IC, hardware encryption, and touchscreen display interfaces
- OPTIONAL: Add up to 24 independent relay channels for high-current capacity asset control