

# GTI-220: Wireless Dual Channel Accelerometer

## For iPad and Other USB Devices with Universal App Support

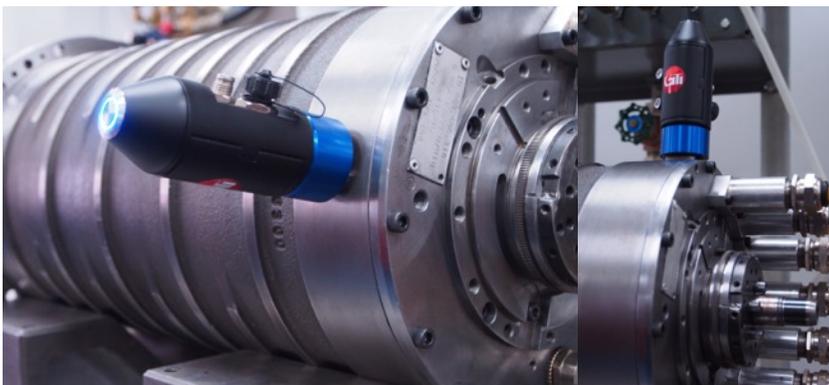


### Description:

The iPad Vibration Analyzer is now wireless with the GTI-220. It is the only product of its kind to offer balancing wirelessly. The accelerometer is waterproof enabling a great permanent mount setup with the integrated USB input for external power solutions.

### Features:

- Works out of the box with all existing apps
- Supports tachometer for balancing
- Supports 2nd accelerometer for apps that require it
- USB Power Input provides easy permanent mount setups
- 30 day standby battery, with 12 hours of continuous use
- Easily swappable low cost battery and/or rechargeable replacements
- iPad supports pairing to over 700 accelerometers

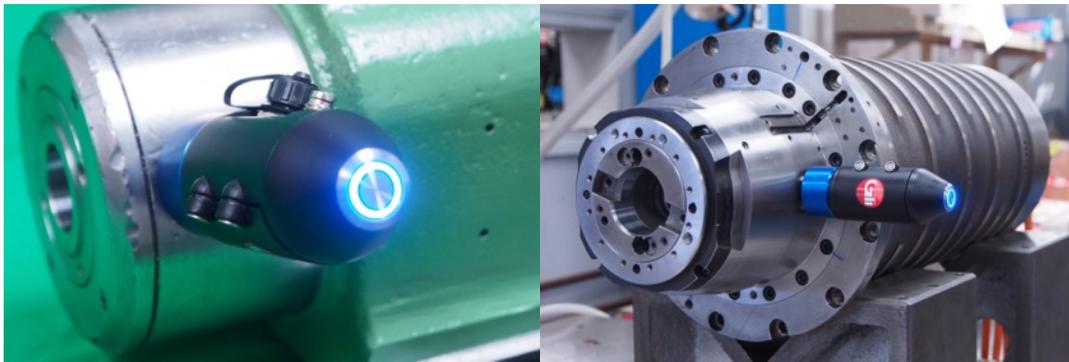


### Includes:

GTI Wireless Sensor and Receiver, 3 batteries, "Getting Started Guide", Sensor Holster, Mini Flashlight, Rare Earth Magnet Base

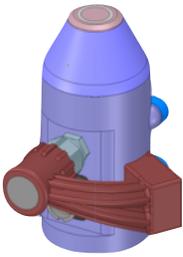
# Benefits of GTI's Wireless System

- **Safety:** Separate the accelerometer from the iPad to measure assets in dangerous areas.
- **Convenience:** No more dealing with wires, connectors and other hassles.
- **Universal Support:** Out of the box support for any USB device or computer that has vibration analysis, balancing or other related software. Both internal accelerometer and external input channel work across multiple devices with appropriate software.
- **Permanent Mount Setups:** The iPad can pair to over 700 accelerometers providing a near endless amount of sensors to outfit an entire facility. USB power supply enables an always available power supply.
- **Balancing:** Never before has wireless balancing been possible. GTI's wireless accelerometer was designed from day one to support a tachometer to enable wireless balancing. Every unit is capable of balancing, even if the balancing upgrade wasn't purchased initially.



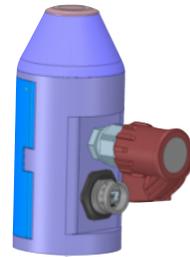
## Specifications:

- **Battery type:** 3V CR123. A very common battery type for cameras, high power flash lights, etc.
- **Physical size (without magnetic base):** Length 78mm, OD 36mm
- **External sensor input connector:** M8 male
- **External input sensor excitation voltage:** 3.3V
- **Power input voltage:** 5V through IP67 style mini USB-B connector
- **Case Ingress Protection:** IP65
- **Sampling rate:** 44,100 kps or 48,000 kps (host device dependent)
- **Temperature range:** On external power -40°C to 75°C, with battery 0°C to 50°C
- **Range:** Line of sight up to 100m
  - Crowded radio environments / through obstructions 15-25m
- **Mounting:** 1/4"-28 female thread
- **Base Material:** Hard Anodized Aluminum
- **Case Construction:** Composite
- **Button Material:** Stainless Steel
- **Button Indicator Color:** Blue
- **Button Ingress Protection:** IP67
- **No Latency**
- **Wireless Spectrum:** 2.4 GHz
- **Analog Digital Conversion Rate:** 24 bits



# Expanding the GTI-220

## Channel 2 Add-Ons



### Temperature Sensor

GTI's temperature sensor was designed from the ground up to make collecting temperature data as simple and easy as possible. Users of the GTI-220 only need to attach the temperature sensor and the software does the rest. This sensor works with VibePro and VibeRMS; additional app support may be added in the future.

- Automatic temperature capture
- Supported in VibePro and VibeRMS
- VibePro for temperature trending
- VibeRMS for machine certification
- Powered by GTI-220



### Tachometer and Accelerometer

The second channel of the GTI-220 supports either a tachometer or an accelerometer. The tachometer enables balancing, phase analysis, and other custom applications. The accelerometer can be used for testing vibration transmissibility. VibePro also supports both channels; displaying both channels simultaneously.

- Tachometer Apps: BalancePro, iRotorBalancer, PhasePro, Balance3W
- Accelerometer Apps: VibePro, Vibration Transmissibility

