



IsoSmart™

Remote Asset Integrity
Monitoring System



One Simple Solution

Testing to ensure the integrity of your asset's Cathodic Protection (CP), Isolation, or the health of your bonds can be very time consuming and challenging. This is particularly the case in remote and hostile locations where access is difficult. In addition, testing in any area can also give inconsistent results.

GPT Industries is proud to introduce an all-in-one asset monitoring system! **IsoSmart™** is configured with 3 True RMS (TRMS) circuits to automatically test the effectiveness of your assets CP, Isolation, or the amount of current in your bond.

By incorporating TRMS, users can also distinguish between DC or AC voltages and current. All to help keep you in compliance with regulations such as U.S. DOT's PHMSA 49 CFR 192 and 195 (i.e. 192.463, 192.465, 192.467, and 195.49). This includes testing for:

- + ON Potentials
[Read User Case online](#)
- + Isolation (including FIK's, MIJ's, Casings, etc.)
[Read User Case online](#)
- + Bond Current
[Read User Case online](#)
- + Instant Off Potentials
[Read User Case online](#)
- + AC/DC TRMS Monitoring
[Read User Case online](#)

Along with monitoring, **IsoSmart™** readings are instantly logged and communicated to a user web portal, notifying the user of all events. The user web portal can be referenced to see trends overtime, create reports for compliance submission, and overall gives the user piece of mind, knowing all their data is in one, safe location.

Simple +
Versatile





Specifications

- + Cellular (LTE) data communication
- + Bluetooth connection
- + Firmware Over The Air (FOTA) updates
- + Rechargeable and replaceable battery
- + Battery life designed for 2+ years*
- + 12VDC solar panel charge controller**
- + Overvoltage protection
- + Qty.2 of $\pm 10\text{V}$ TRMS measuring circuits ($>10\text{M}\Omega$ impedance)
- + Qty.1 of $\pm 20\text{A}$ TRMS measuring circuit (40A Rating)
- + Customizable sampling rate and transmission periods*
- + User selectable criteria
- + Pole mountable
- + Full technical support

* Battery life design based on moderate temperatures and sampling rates at 4hrs with a transmission once per day, with no solar panel.

** 5+ years operation when solar panel is used.



CATHODIC
PROTECTION



REMOTE
LOCATIONS



FIRMWARE
OVER THE AIR



BLUETOOTH
CONNECTION



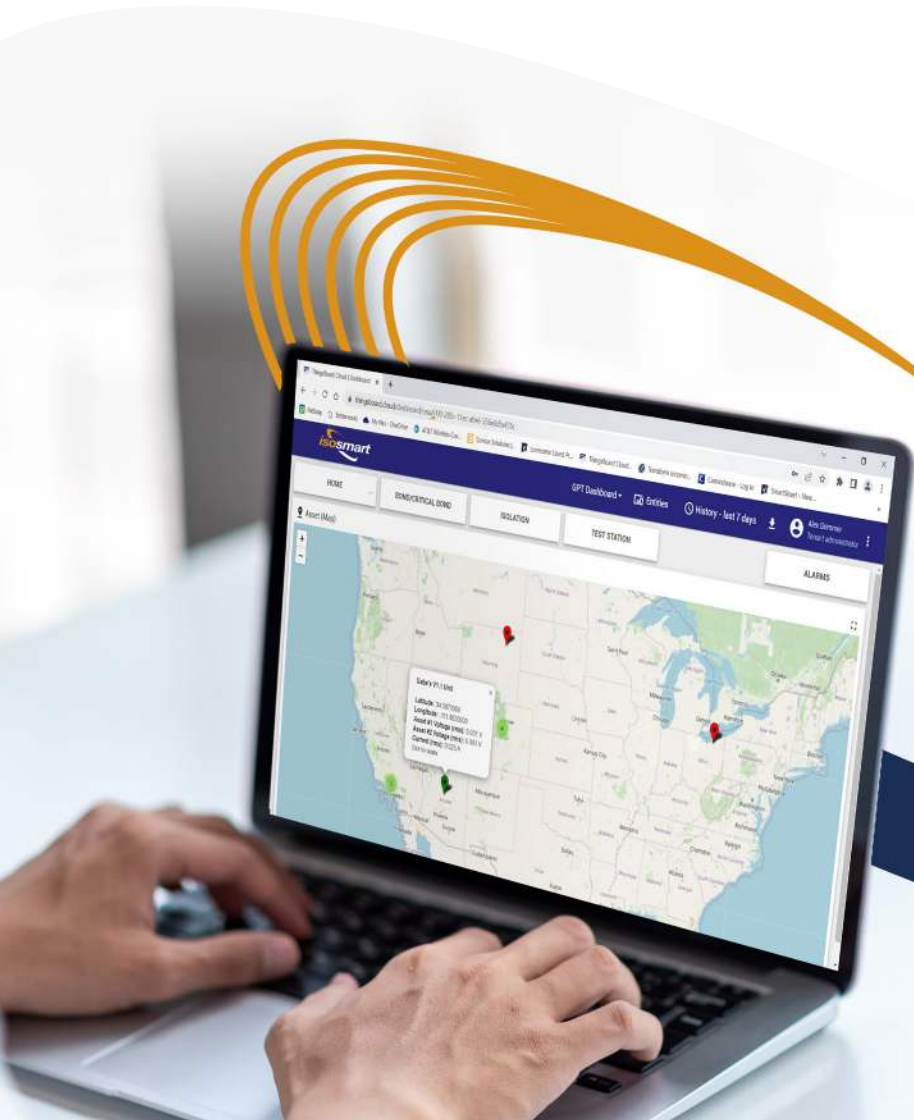
BOND
HEALTH

Integration

IsoSmart™ is easily installed and offers quick and easy connections, right out of the box. Users can be up and running in minutes, with no special tools required. **IsoSmart™** is equipped with a solar panel charge controller. Making it possible to run **IsoSmart™** indefinitely, without worrying about draining the battery, even in the most remote locations. **IsoSmart™** utilizes Firmware Over The Air (FOTA) updates, thus, streamlining any maintenance as users can update and configure their units without having to travel out to site.

Dashboard

Our cloud-based platform allows users to gain access to their asset monitoring and data from anywhere. Along with this, there is no downtime for dashboard updates, all updates are immediately implemented to allow users to continue their tasks. Outputs from **IsoSmart™** are sent to a user's dashboard where data is intuitively organized based on your application setup (i.e. Test Stations, Bonds, Isolation Joints, etc). Making it easy for users to quickly find and understand information. A quick view map shows all the users' assets and a quick status on each, which aids in the optimization of your CP system. Users can quickly determine if they have too much or too little CP, keeping you within recommended levels as detailed in U.S. DOT's PHMSA 49 CFR 192.



Request a demo

[Click here](#) to book a demonstration of the platform.



User Cases

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