*Safety cables to be attached to a secure structure*

*Gateway & Antenna*

*Back Pipe: ultra-high-temp attached with band clamp*

*Front Pipe: dual element attached with band clamp (top) & dual element with magnetic base (bottom)*

# microPIMS® on-prem
# data management system

When utilizing cloud data storage or applications is not an option, the On-Prem webPIMS data management system provides users with a local self-contained/in-the-fence system.

microPIMS thickness data from the sensor is transmitted through LoRaWAN gateways directly into the On-Prem system where thickness, temperature, A-Scan and other data is stored.

Historical data is used to calculate corrosion rates, alarm dates, display interactive trend charts and ultrasound A-Scan waveforms. Thickness and temperature data can be used to calculate temperature corrected thickness values to obtain accurate thickness values at elevated temperatures.

The On-Prem system provides users the full ability of webPIMS on a local platform.

# webPIMS™

**Dedicated system for microPIMS data collection, management, and data archiving.**

**Local copy of webPIMS corrosion monitoring software and LoRaWAN management.**

**Monitor short-term and long-term corrosion rates.**

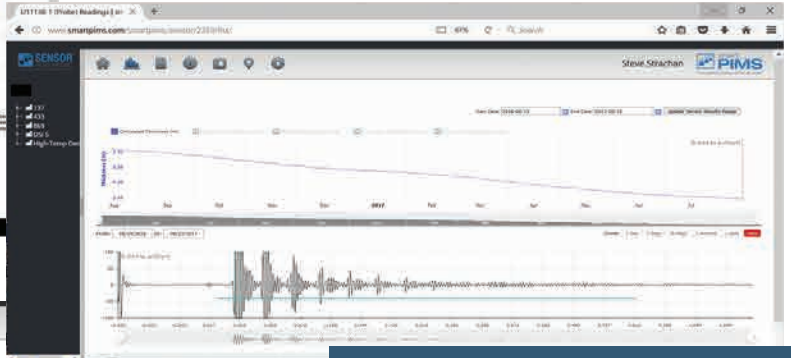**Monitor warning and alarm conditions and dates.**

**Utilize webPIMS temperature compensation function to calculate temperature corrected thickness.**

**Analyze A-Scan data to validate wall thickness values.**
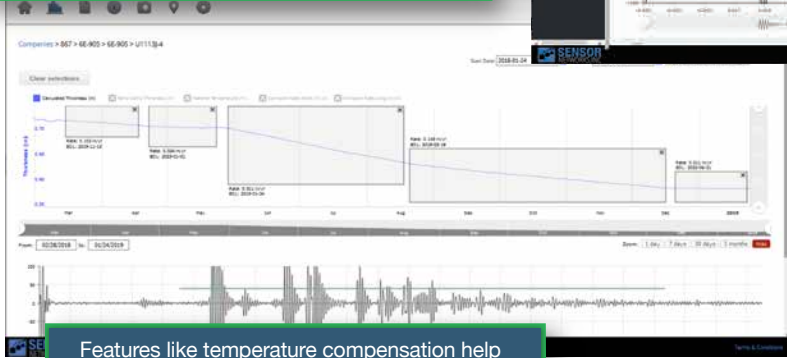
〈Ex〉 C E

Home page screen showing enterprise-wide macro view, including pie chart with sensor location, status, GPS and latest readings of all sensors.



Trending screen graphically shows metal loss versus time, temperature, thickness and digitized RF signals (A-Scans) for each measurement.



Features like temperature compensation help maximize accuracy of thickness measurements.

## specifications

| | rack mount configuration | desktop configuration |
|---|---|---|
| **configuration** | single-socket 1U rack size / 19 in. | desktop |
| **weight** | 36.9 lbs (12.2 kg) | 25.70 lbs (11.70 kg) |
| **dimensions** | chassis width: 17.1 in. (434 mm) chassis depth: 23.5 in. (596 mm) dimensions do not include Bezel | 6.88 in. (175 mm) 14.17 in. (360 mm) 17.87 in. (454 mm) |
| **mains power** | 110-230VAC / 50-60hz | 110-230VAC / 50-60hz |
| **haz area cert** | none | none |
| **operating system** | linux | linux |
| **LoRaWAN configuration** | ResIoT - perpetual license | ResIoT - perpetual license |
| **analysis application** | webIMS - perpetual license | webIMS - perpetual license |

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