# HotSense™ Field Data Logging Kit (FDLK) for automated ultrasonic measurement logging



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**For the rapid deployment and management of WirelessHART ultrasonic projects and data collection.**

Ready to deploy data collection, node control and remote access solution for HotSense™ WirelessHART sensors. Deploy ultrasonic monitoring systems to industrial sites or remote sites without the need for integration into local IT networks

**Keywords:** corrosion, erosion, in-service monitoring, hazardous environments, ultrasonics, high-temperature, radiation



## HOTSENSE™ FIELD DATA LOGGING KIT (FDLK)

- **Self-contained and ready to deploy** HotSense™ WirelessHART Network.
- **Pre-configured data collection server** to log data from and manage HotSense™ Wireless Automated monitoring nodes.
- **No integration to site IT network required.** Fully independent and secure.
- **Reduce time** in project planning, preparation and implementation with a plug-and-play solution.
- **Moveable and portable** storage for deployment inside with rugged antenna for outdoor installation.
- **Data collected and stored on site** - no cloud connection required
- **Secure remote connection** option for data access and support.
- **Option to integrate into plant** data networks when ready.

## APPLICATIONS

- Support the safe processing of new feedstocks or monitor the impact of changing processing conditions on asset integrity operating windows (IOWs).
- Enable trending of asset integrity data to guide decision making, maximise plant availability and enable predictive maintenance.
- Identify the causes of your most troubling asset integrity challenges with high frequency, high precision trending data.
- Rapidly deploy automated UT monitoring with no IT network integration.
- Ideal for rapid installations, temporary monitoring projects and trials.

## FEATURES

Pre-configured data servers with:

- Automated data collection
- Measurement and wall loss trending
- Waveform collection
- Manual and automated data export
- Complete HotSense™ CALIPERAY remote management

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# HotSense™ FDLK


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## SPECIFICATION

| CONTENTS | |
|---|---|
| Gateway | WirelessHART Gateway |
| Antenna | 10m external antenna with pole mount |
| Data Server | On-site. Rugged industrial PC running Windows |
| Data Collection and Management | HotSense™ WAMP software pre-installed |
| Device Commissioning | WirelessHART configuration software pre-installed |
| Device Maintenance | HART USB Modem for device commissioning |
| Case | Rugged, portable, Peli-type case for deployment inside, vented |
| Power Supply | External power supply for local AC supply |
| Maximum number of WirelessHART Nodes Per Kit | = 25 (100 by request) |
| Ex Rating | None. Optional Ex rated external antenna with barriers |

| OPTIONS | |
|---|---|
| Remote Access | Outdoor LTE modem and router for global deployments |
| Data Contract | Local Fixed IP Public SIM |
| Outdoor Deployment | Rugged outdoor cabinet, IP55, with pole mounting hardware |
| Outdor Power Supply | Rugged AC -> DC power supply for deployment outside |
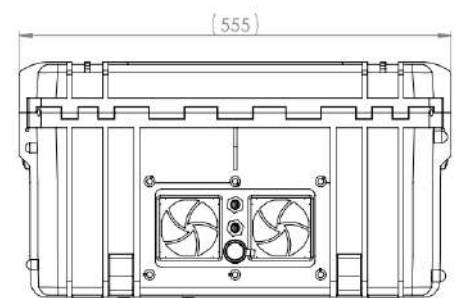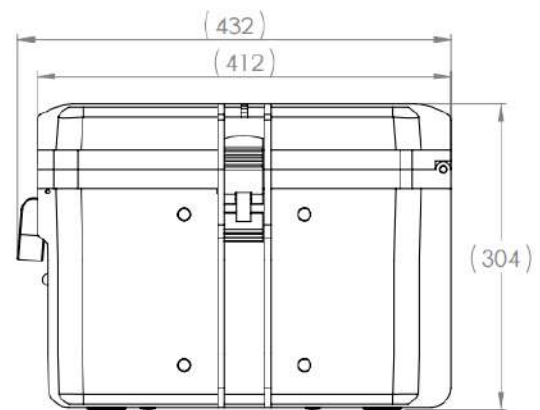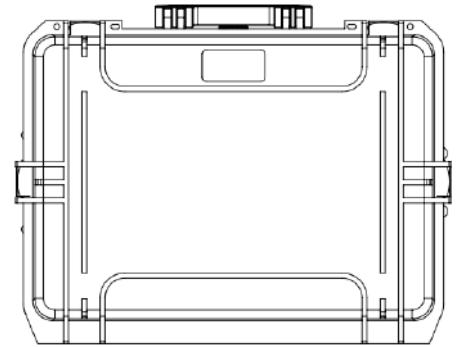
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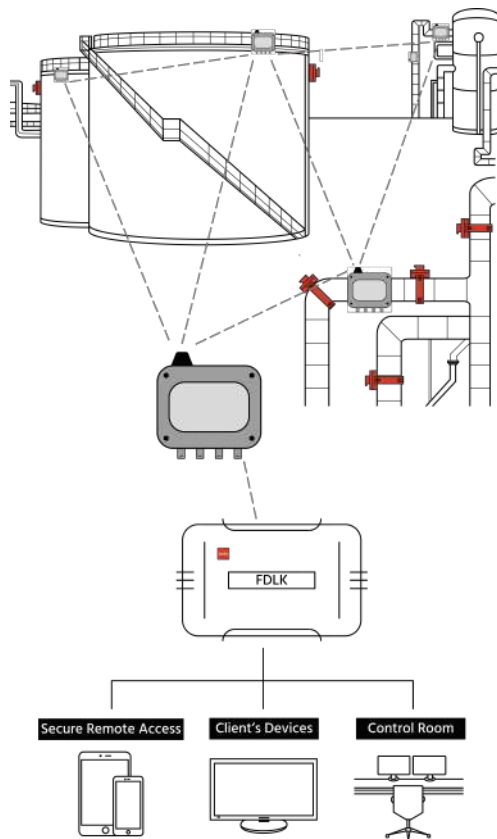
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