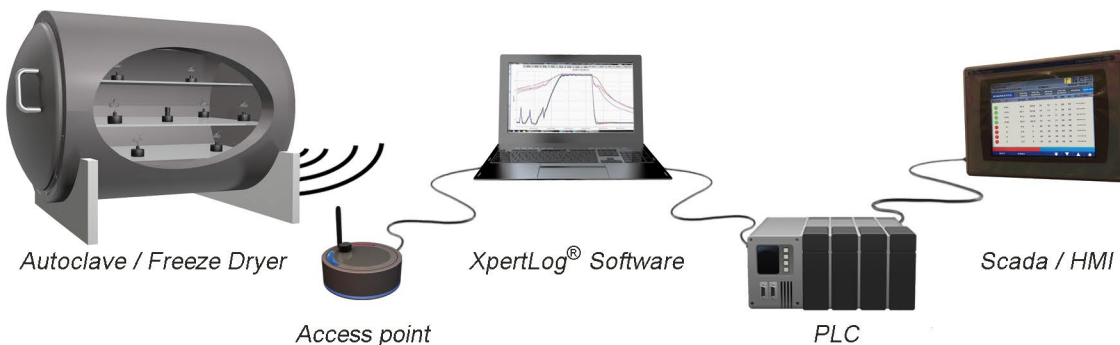


THERMAL VALIDATION SYSTEMS
for the Pharmaceutical / Biotechnology Industry

Interface Real Time Data Loggers
with SCADA/HMI

XpertLog® SCADA



- Purpose:** Interface XpertLog® real time data loggers with the SCADA/HMI of an equipment
Display XpertLog® real time data on SCADA / HMI
- Applications:** Interface SCADA/HMI of autoclaves, freeze dryers, etc. with XpertLog® real time data loggers inside the equipment.
- Scope:** Help users to meet FDA requirements with regards to Continued Process Verification
Gain ongoing assurance during routine production that the process remains in a state of control
Minimize time needed for parametric release of a sterile load after sterilization cycle
Display real time behavior of the equipment using a third party system - XpertLog®
Detect real time anomalies of product probes and allow users to take action
- Functionality:** Collect temperatures/pressures from XpertLog® real time data loggers and display simultaneously with the product probes on the SCADA/HMI

Technical Specifications:

Minimum recommended acquisition interval:	10 sec
Maximum number of loggers:	20
Accuracy:	Temperature: ± 0.1 °C Pressure: ± 10 mbar @ 2 bar abs.
Data integrity:	21 CFR Part 11 compliant
PLC compatibility:	Any PLC model
Measurement range:	Temperature: -90 to 140 °C Pressure: 0.01 to 5 bar abs.
Memory capacity:	32,000 data points -16,000 p / 16,000 temp.
Battery lifetime:	Up to 6 months - based on usage
Internal Clock drift:	4 sec / 24 h @ +23 °C
Access Point:	USB connection
Material:	Peek 1000 - FDA compliant
Radio frequency:	2.4 GHz ISM band
Enclosure:	IP-68
Calibrations:	Factory: Traceable NIST / COFRAC - ITS-90 coefficients stored in the internal memory User: Close loop calibration, using XpertLog® software
Certification:	EMC: EN 60601-1-2 / 2007 RF: EN 300440-2 v1.3.1 (2009-03) Health Safety: EN 60950-1/2006