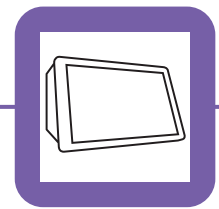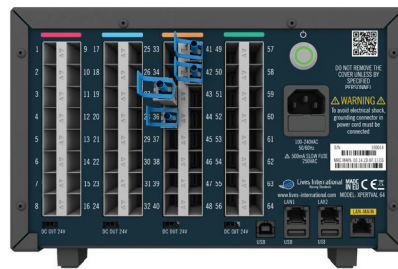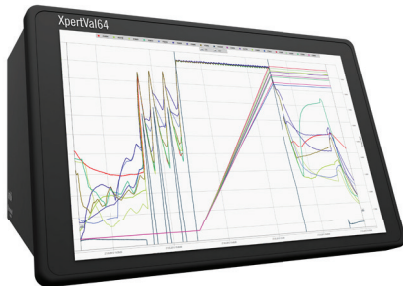# XpertVal64

64 Channel Data Acquisition System for Thermal Mapping and Validation with multiple sensor types
(TC, PT100, Pressure, Humidity, 0-10V, 4-20mA, CO_2 etc)
-200°C to +1200°C

FDA 21 CFR Part 11

+ *No annual calibration needed*
+ *Wi-Fi compatible, can be remotely controlled over Wi-Fi*
+ *Connect 64 Smart Connectors and allow measurement every 1s for all the channels*
+ *Standalone/Controlled by XpertLog® Software*
+ *Cloud/local based data storage*
+ *Integrated rechargeable battery*

Sensors	Dedicated connector for each type of sensors; Analog to Digital conversion allows digital inputs to main unit
Channels	Most common sensor types: TC, PT100, Pressure, Humidity, 0-10V, 4-20mA, CO_2, etc 64 channels - Cold junction compensation on each thermocouple connector
Measuring range	-200°C to +1200°C
XSens Accuracy	Depending on sensor used; 0.05°C after calibration
Memory capacity	Internal memory: 16 GB; 4 GB data useful memory Transfer data from XpertVal64 to XpertLog® Software directly via XpertLog® or via USB stick Data protected through encryption in a proprietary format
Sampling rate	1s to 24h for 64 channels
Display	Touch screen, 10.1"
Software	FDA 21 CFR Part 11 compliant; data integrity integrated
Communication	1 x USB to PC 2 x USB to equipment (Dry Block, Reference Probe) 1 x LAN to PC (with Power over Ethernet) 2 x LAN to equipment (Dry Block, Reference Probe) 1 x Wi-Fi
Battery	Internal rechargeable battery; up to 8 hours running time
Input Voltage	100-240Vac @ 50/60Hz (no manual selection required)
Closed loop calibration	Can be performed directly from the touch screen or via XpertLog® Software
Reference probes	Direct connection to XpertVal64 via USB port / LAN or via XpertLog® Software
Compatible Reference Probes	Lives XpertRTD+, Fluke 1520A, Smart Probe IRTD
Compatible Dry Blocks	Ametek, Fluke, Sika, Isotech, Kaye
Calibration	XpertVal64 does not require calibration Sensor Calibration: NIST / COFRAC
Antenna	Integrated Wi-Fi Antenna
More	User: closed loop calibration with or without XpertLog® Software Can be used as standalone, can be operated from XpertLog® Software Can be operated from mobile phones or tablet
Dimensions	26 x 26 x 19.5 cm / 10.2 x 10.2 x 7.7 inch (Width x Depth x Height)
Weight	3.7 kg

Order Reference
XpertVal64

Lives International®
Raising Standards

XpertVal64

XpertLog software