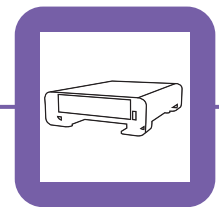


XpertVal16



16 Channel Data Acquisition System for Thermal Mapping and Validation with multiple sensor types (TC, PT100, Pressure, Humidity, 0-10V, 4-20mA, CO₂, etc) -200°C to +1200°C

- + No annual calibration
- + Wi-Fi compatible, can be remotely controlled over Wi-Fi
- + 16 channels simultaneously @ 1 sec
- + Standalone/controlled by XpertLog® Software
- + Cloud/local based data storage
- + Backup batteries up to 20 hours
- + Connects on Wi-Fi, LAN, USB-C



Sensors	Plug & Play XSens smart connectors Analog-to-digital conversion inside each XSens (digital output)
Sensor types	Thermocouple, PT100, pressure, humidity, 0-10V, 4-20 mA, CO ₂ , etc
Channels	16 channels Cold junction compensation built inside each XSens Thermocouple
Measuring range	-200°C to +1200°C depending on sensor type
Accuracy (temperature)	±0.05°C after calibration
Memory	16 GB internal memory (4 GB available for measurement data) Data stored encrypted in a proprietary format
Data transfer	Using XpertLog® Software by USB-C, LAN, Wi-Fi or by USB stick
Sampling rate	1s to 24 h, all 16 channels simultaneously
Display	No built-in display. Accessed through a web browser over Wi-Fi/LAN
Software compliance	FDA 21 CFR Part 11 compliant, with built-in data integrity
Connects by	Wi-Fi; LAN; USB-C
Connects with	Reference Probe; Dry Blocks
Integrated Battery	Backup battery up to 20 hours autonomy
Power supply	PoE (min. 25 W) USB-C Power Delivery (min. 45 W)
Closed-loop calibration	Through XpertLog® Software or web browser
Reference probe connection	Directly to the XpertVal16 (USB-C or LAN) or through XpertLog® Software
Compatible reference probes	Lives XpertRTD+, Fluke 1502A, Smart Probe IRTD using XpertRTD
Compatible dry blocks	Ametek, Fluke, Sika, Isotech, Kaye, Kambic
Calibration	No annual calibration Smart Connectors XSens: NIST-traceable / COFRAC-accredited calibration
Operation	Standalone or XpertLog® Cloud/local
Dimensions (W x D x H)	16 x 21 x 5.4 cm / 6.3 x 8.3 x 2.1 in
Weight	1.2 kg / 2.6 lb

Order Reference
XpertVal16



XSens Compatible

