

LOCAL MONITORING SYSTEMS  
for the Pharmaceutical / Biotechnology Industry

Real Time Data Logger  
- 40°C to +85°C

XpertLog® LMS



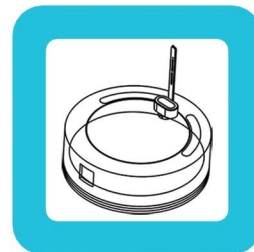
Access Point



Temperature



Humidity



Suitable applications:

- Refrigerators
- Cold rooms
- Warehouses

XpertLog® LMS

Covers local monitoring applications between -200°C to +400°C (RTD sensor range)  
User friendly: easy setup, swipe to add loggers, 2D/3D views, alarms, email warnings  
Real time data transmission  
Loggers powered by batteries and/or power supply  
Data integrity: FDA 21 CFR Part 11 compliant  
Offers the best accuracy in its class: ±0.1°C  
Network installation

- + Network ready: multiple users may simultaneously share the same database
- + Loggers calibration on user's site

Technical Specifications:

Logger type	Temperature	Humidity & Temperature
<b>Sensor element</b> - flexible - rigid - customized	4 wires PT-100 - PTFE 1000 mm (39")  - up to 3 m (10')	capacitive / 4 wires PT-100  - 20 mm (0.8")
<b>Operating range</b> - measurement (probe) - operating (logger's body)	-200°C to +400°C -40°C to +85°C	15% to 95% RH -40°C to +85°C
<b>Accuracy</b>	±0.1°C	±2.0% RH @ +23°C (15 - 60% RH) ±3.0% RH @ +23°C (60 - 95% RH)
<b>Memory capacity</b>	32,000 data points	16,000 temp / 16,000 RH
<b>Sampling rate</b>	1 sec. to 24 hours	1 sec. to 24 hours
<b>Internal clock drift</b>	4 sec / 24 hours @ +23°C	4 sec / 24 hours @ +23°C
<b>Mechanical</b> Weight Diameter Height	95 g (3.35 oz) battery included 40 mm (1.57") 55 mm (2.17")	93 g (3.28 oz) battery included 40 mm (1.57") 67 mm (2.64")
<b>Power</b>	External 2 x Lithium batteries, 0.35 g/each Lithium content classified UN3091 under IATA DGR section 3.9.2.6 compliant with ICAO/IATA packing instructions 970	
<b>Battery lifetime</b>	Up to 6 months: based on usage	
<b>Wireless range</b>	400 feet (121 m)	
<b>Radio frequency</b>	2.4 GHz ISM band	
<b>Access Point</b>	USB connection	
<b>Calibrations</b>	Factory: traceable NIST / COFRAC - ITS-90 coefficients stored in the internal memory User: close loop calibration using XpertLog® software	
<b>Certifications</b>	EMC: EN60601-1-2 / 2007; RF: EN300440-2 v1.3.1 (2009-03); Health Safety: EN 60950 - 1/2006	

Feb - 2017 ISO 9001 : 2008; ISO 14001 : 2004; OHSAS 18001 : 2007;



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