Product Description: Wireless temperature, humidity and asset monitoring systems
Temperature Sensors: LSA-300, LSA-310, LSA-K01
Temperature/Humidity sensors: LSA-400, LSA-410, LSA-K02, LSA-K03, LSA-B10
Asset sensor: LSA-260
Access Points: LSA-100, LSA-105, LSA-110
Accessories: LSA-200, LSA-001, LSA-440
Calibration: CALSAAH, CALSAH

Product Description

Wireless monitors for temperature, humidity or motion which communicate directly to cloud storage via access point.

Product features

Ability to monitor temperatures between -30°C to +70°C with or without combined humidity.

Integrated motions sensor which detects when item is moved from location.

Act an active long range (RFID). They communicate with accessPoints which locations are known.

Automatic network discovery and therefore no pairing or WPA key programming is required, making set up and adding additional sensors a simple task.

The wireless communication is between the data loggers and the network is a 2-way communication. The protocol features re-transmission attempts and duplicate packet filtering so no event can be lost.

Registers all results in real time

Communicates directly to the secure cloud via access points, which can be static or mobile.

Secure triplicate storage and backup.

Full access controls to data.

Alarms and notifications can be set to alarm key personnel via email, SMS also available via credits.

Annual credit required for each device.

Ultra-low power using the latest sending and processing technology combined with an efficient wireless protocol allows the data logger to deliver over 1 million measurements to the cloud, Built-in long life battery (non-replaceable) .

No software installation required, no PC/server needed, accessible via smart devices.

Software is FDA approved and allows full interrogation and trending.

Technical Specification

	AiroSensor	AirSensor T	AiroSensor X
Wireless frequency	ISM Band – 868 MHz (Region 1) and 915MHz (region 2)		
Wireless Protocol	Sense Anywhere wireless protocol with automatic service discovery and seamless roaming.		
Range	Up to 600m outdoors		
Logging capacity	15,000 events with data/temp stamp		
Battery life	Up to 10 years or 1 million messages		
Temperature range	-30°C - +70°C	-40°C - +70°C	-30°C - +70°C
Temperature Accuracy	±0.5^{o}C (-30°C to -10°C) and ±0.4^{o}C (-10°C to +70°C)	±0.15^{o}C (-40°C to 0°C) and ±0.1^{o}C (0°C to +70°C)	±0.15^{o}C (-40°C to 0°C) and ±0.1^{o}C (0°C to +70°C)
Humidity range	0-100% RH, non-condensing	NA	NA
Humidity accuracy	Typ.±2% TH (0-80% RH)	NA	NA
Motion detection	3-axis, sensitivity 0g-16g, sensitivity remotely programmable		
Connector	NA	NA	Rated voltage 125V. Rated impulse 1500V. Rated current (40^{l}C) 3A, volume resistivity ≤3m Ω.
Reed switch	Detect removal from and insertion into holder		
Compatibility	EN12830 class 1, storage & transport, climatic environment type: D CE, EN300328, EN55022		
Mounting	Preferred mounting position is vertical, the holder is pre-fitted with very high bond double sided tape and two stainless steel screws are supplied for mounting in very harsh environments or on rough surfaces. Try to avoid mounting on metal surfaces, reinforced concrete walls, inside metal racks or cabinets		
Casing material	PC-ABS, easy to clean surface		
Protection class	IP62 (due to humidity sensor)	IP67	IP67
Calibration	Available at time of purchase or as and when required. CALSAAH / CALSAH	Available at time of purchase or as and when required. UL3-124	

Sheena Britton
Technical Compliance Manager
Klipspringer Ltd
01473 461800
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