

SAUERMANN DATA LOGGERS

KT 120 / KH 120

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Temperature / Humidity

KEY FEATURES

- Direct USB connection
- Integrated software for configuration and visualization in PDF format
- Free, downloadable basic software
- Large storage capacity of 50,000 points
- On-board integrated Compliance Certificate in PDF format
- Magnetic back for fast & simple mounting
- Record up to 2 parameters
- 2 configurable alarm set points
- 1-line LCD screen



SELECTION

Part No.	Display	Internal sensor		External sensor		Parameters	Number of record points
		Number	Type	Number	Type		
KT 120	✓	1	Temperature	N/A	N/A	Temperature	50,000
KH 120		2	Temperature & humidity			Temperature & humidity	

HOUSING

Dimensions

 3.94" x 1.67" x 0.63"
 (100 x 42.5 x 15.9 mm)

Weight

1.9 oz (53g)

Display

 1-line LCD screen
 Screen: 1.26" x 1.28"
 (32 x 25.5 mm)

Control

 1 OK button
 1 Selection button

Material

 Compatible with food industry environment
 ABS housing

Protection

 IP65: KT120
 IP40: KH120

PC Communication

1 USB A male input

Battery power supply

1 x CR2450 (button battery*)

Environmental conditions of use

 Non-corrosive or combustible gases
 Hygrometry: in non condensing conditions
 Maximum altitude: 6561' (2000 m)

* The battery must be in compliance with the IEC 60086-4 standard.

TECHNICAL FEATURES






	KT 120	KH 120
Units displayed	°F, °C	°F, °C, %RH
Resolution	0.1°F, 0.1°C	0.1°F, 0.1°C, 0.1%RH
External input	USB connector	USB connector
Internal sensor	Temperature	Temperature, humidity
Type of sensor	Thermistor (NTC)	Thermistor (NTC), capacitive
Measuring range	-40 to 158°F (-40 to 70°C)	Temp.: -4 to 158°F (-20 to 70°C) Humidity: 0 to 100% RH
Accuracies ¹	±0.8°F from -4 to 158°F (±0.4°C from -20 to 70°C) ±1.5°F below -4°F (±0.8°C below -20°C)	Temp: ±0.8°F from 32 to 122°F (±0.4°C from 0 to 50°C) ±1.5°F below 32°F or above 122°F (±0.8°C below 0°C or above 50°C) Humidity ² : ±2%RH (from 5 to 95%RH @ 59°F to 77°F) (15°C to 25°C)
Alarm set points	2 alarm set points per channel	2 alarm set points per channel
Number of points	50,000	50,000
Frequency of measurement	1 min to 24 h	1 min to 24 h
Operating temperature	-40 to 158°F (-40 to 70°C)	-4 to 158°F (-20 to 70°C)
Storage temperature	-40 to 185°F (-40 to 85°C)	-40 to 185°F (-40 to 85°C)
Battery life	3 years ³	500 days ³
Warranty	1 year	1 year
Directives	2011/65/EU RoHS II; 2012/19/EU WEEE; FCC part 15; UL 61010	

¹ All accuracies specified in this document were conducted under laboratory conditions and can be guaranteed for measurement carried out in the same conditions, or carried out with calibration compensation.

² Factory calibration uncertainty: ±0.88 %RH; Temperature dependence: ±0.04 x [(T °F - 32) x 5/9] -20] %RH (if T < 59°F or T > 77°F) / ±0.04 x (T-20) %RH (if T < 15°C or T > 25°C)

³ On the basis of 1 measurement each 15 minutes at 77°F (25°C).

ACCESSORIES

Part No.	Description	Image
KILOG-LITE	Free basic software for configuration, and data download (tabular & graphical). Available for download at www.sauermann.us/data-logger	 
KILOG-3-N	Premium software for configuration, data download, and fast and easy data saving, processing, and calculations. Available for download at www.sauermann.us/data-logger	 
KBL-2450	1 CR2450 battery	



Recommended accessories to be used with data loggers