

SAUERMANN DATA LOGGERS

KCC 320 / KPA 320

Temperature / Humidity / Atmospheric Pressure / CO₂

KEY FEATURES

- Bluetooth® communication for smartphones & tablets (Android and IOS)
- Record up to 4 parameters simultaneously
- Monitoring mode for detailed reporting outside of set points
- Large storage capacity of 2,000,000 points
- Fast data downloading: 18,000 points/second
- Supplied with an anti-theft wall mount with lock
- Magnetic back for fast & simple mounting
- Large 2-line LCD screen
- 2 configurable alarm set points per channel
- Free, downloadable basic software



SELECTION

Part No.	Display	Internal sensor		External sensor		Parameters	Number of record points
		Number	Type	Number	Type		
KCC 320	✓	4	Temperature, humidity, atmospheric pressure & CO ₂	N/A		Temperature, humidity, atmospheric pressure & CO ₂	2,000,000
KPA 320		3	Temperature, humidity & atmospheric pressure			Temperature, humidity & atmospheric pressure	

HOUSING

Dimensions

4.34" x 3.11" x 1.39"
(110.2 x 79 x 35.4 mm)

Weight

KCC 320: 7.27 oz (206 g)
KPA 320: 7.05 oz (200 g)

Display

2-line LCD screen
Screen: 1.94" x 1.77" (49.5 x 45 mm)
2 indication LEDs (red and green)

Control

1 OK button
1 Selection button

Material

Compatible with food industry environment
ABS housing

Battery power supply

2 lithium double AA 3.6 V batteries

Protection

IP 40

PC communication

1 micro-USB input

Environmental conditions of use

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

TECHNICAL FEATURES

	KCC 320	KPA 320
Units displayed	°F, °C, %RH, hPa, ppm	°F, °C, %RH, hPa
Resolution	0.1°F, 0.1°C, 1 ppm, 0.1%RH, 1 hPa	0.1°F, 0.1°C, 0.1%RH, 1 hPa
External input	Micro-USB female connector	Micro-USB female connector
Input for probe	N/A	N/A
Internal sensor	Humidity, temperature, atmospheric pressure, CO ₂	Humidity, temperature, atmospheric pressure
Type of sensor	Capacitive, piezoresistive, NDIR	Capacitive, piezoresistive
Measuring range	Temp.: -4 to 158°F (-20 to 70°C) Humidity: 0 to 100%RH Atm. pressure: 800 to 1100 hPa CO ₂ : 0 to 5000 ppm	Temp.: -4 to 158°F (-20 to 70°C) Humidity: 0 to 100%RH Atm. pressure: 800 to 1100 hPa
Accuracies ¹	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% @ 59 to 77°F (15 to 25°C) Atm. pressure: ±3 hPa CO ₂ : ±50 ppm ±3% of the reading	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% @ 59 to 77°F (15 to 25°C) Atm. pressure: ±3 hPa
Alarm set points	2 alarm set points per channel	2 alarm set points per channel
Frequency of measurements	15 s to 24 h	1 s to 24 h
Operating temperature	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Storage temperature	-40 to 185°F (-40 to 85°C)	-40 to 185°F (-40 to 85°C)
Battery life	3 years ³	7 years ³
Warranty	1 year	1 year
Directives	2011/65EU RoHS II; 2012/19/EU WEEE; FCC part 15; UL 61010	

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

² Factory calibration tolerance: ±0.88 %RH. Temperature dependence: ±0.04 x [(T °F - 32) x 5/9] - 20] %RH (if T ≤ 59°C 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).	
KILOG-3-N	Premium software for configuration, data download, and fast and easy data saving, processing, and calculations.	
KBL-AA	1 AA lithium 3.6 V battery (2 batteries are required for class 320 data loggers)	
KAV-320	Anti-theft wall mount with lock	
CK-50	USB / micro-USB cable (connects the data logger to a PC)	