

# SAUERMANN DATA LOGGERS

## KP320 / KP321

### Differential Pressure

#### KEY FEATURES

- Bluetooth® communication for smartphones and tablets (Android and iOS)
- 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 and simple mounting
- Large 2-line LCD screen
- 2 configurable alarm set points per channel
- Free, downloadable basic software
- IP 65\* protection



#### SELECTION

Part No.	Display	Internal sensor		External sensor		Parameters	Number of record points
		Number	Type	Number	Type		
KP 320	✓	1	Differential pressure	N/A		Differential pressure	2,000,000
KP 321							

#### HOUSING

##### Dimensions

4.7" x 3.11" x 1.39"  
(119.7 x 79 x 35.4 mm)

##### Weight

7.27 oz (206 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 65\*

##### PC communication

1 micro-USB input

##### Environmental conditions of use

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

\* With the pressure connectors plugged.






## TECHNICAL FEATURES

	KP 320	KP 321
Units displayed	Pa	Pa
Measuring range	±1000 Pa	±10,000 Pa
Resolution	1 Pa	1 Pa
Accuracies*	±0.5% of the reading ±3 Pa	±0.5% of the reading ±30 Pa
External input	Micro-USB female connector	Micro-USB female connector
Input for probe	2 pressure connections	2 pressure connections
Internal sensor	Differential pressure	Differential pressure
Operating temperature	41 to 122°F (5 to 50°C)	41 to 122°F (5 to 50°C)
Storage temperature	-40 to 185°F (-40 to 85°C)	-40 to 185°F (-40 to 85°C)
Alarm set points	2 alarm set points per channel	2 alarm set points per channel
Frequency of measurements	1 s to 24 h	1 s to 24 h
Battery life	7 years **	7 years **
Warranty	1 year	1 year
Directives	2011/65EU RoHS II; 2012/19/EU WEEE; FCC part 15; UL 61010	

\* 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.

\*\* 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)	



Recommended accessories to be used with data loggers

### 50 series



Mini Loggers

### 120 series



USB Loggers

### 220 series



Multi-function Loggers

### 320 series



Bluetooth Loggers