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). 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-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	120 series	220 series	320 series
Mini Loggers	USB Loggers	Multi-function Loggers	Bluetooth Loggers