PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

SAUTER JTL 100

Compact data logger for reliable monitoring of temperature and humidity

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com







APPLICATION EXAMPLE







ENGLISH

FEATURES

- High-precision temperature and humidity sensors for reliable monitoring
- Long-term and continuous recording possible over a long period of time
- Ideal for sensitive goods such as medicines and food during transport and storage
- Internal memory for up to 64.000 measurement groups
- IP65 dust and spray protection (in accordance with EN 60529)
- Automatic or manually adjustable recording intervals – flexibly customisable depending on the area of application
- Adjustable alarm thresholds for temperature and humidity
- Alarm configuration for adaptation to various monitoring scenarios
- Software can be downloaded free of charge from the web shop
- USB-C data interface for easy data transfer (PDF, XLS) to a PC or laptop
- Units can be switched between °C and °F
- Wall mount as standard, with adhesive tape or screws
- To record your measurement readings and easily configure the temperature logger, you can download the app here: https://play.google.com/store/apps/details?id=com.unit.b330thc_neuter&hl=de

TECHNICAL DATA

- Tolerance range: +/- 0,4 °C or +/- 2,5 % RH
- Battery operation, batteries standard (3 V CR2032)
- Operating time: 140 days for a test interval of 15 min
- AUTO-OFF function to preserve the battery, battery level indicator
- Overall dimensions W×D×H, 105×38×15 mm
- Net weight approx. 0,05 kg

MAIN SCOPE OF APPLICATIONS

- Food industry and transport (storage and transport of perishable goods, cold chain monitoring)
- Catering (monitoring of storage temperatures)
- Food retail (temperature monitoring in refrigerated counters and storage rooms)
- Pharmacies (storage of sensitive medicines)

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Measuring range temperature [Min]	Measuring range temperature [Max]	Dimension (W×D×H)	Measuring range humidity [Min]	Measuring range humidity [Max]
JTL 100	-30 °C	70 °C	105×38×15 mm	0 %	99 %

SERVICES

Model	Description
963-623	DAkkS calibration for temperature meter external sensor – with interface in accordance with DKD-R 5-1, 3 points KERN 963-623
963-641	DAkkS calibration for temperature and moisture combisensor internal sensor – with interface in accordance with DKD-R 5-8 / 5-1, 1 temperature and 3 moisture points KERN 963-641
970-012	Warranty extension (+2 years) 970-012

ENGLISH

KERN Pictogram Overview

	Peak hold function: capturing a peak value within a measuring process
	Scan mode: continuous capture and display of measurements
	Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.
	Battery operation: Ready for battery operation
	Package shipment by courier service: The duration of internal product provision is one day
	PC Software: to transfer the measurements from the device to a PC
	Protection against dust and water splashes IP65
	Factory calibration (ISO): Factory calibration takes 4 working days
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days

ENGLISH