



Product Data Sheet

FK31-SE Calibration Bath

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Product Image



Order Information

Model: FK31-SE

Order no.: 9250628

Available mains power:
230V / 50Hz
115V / 60Hz

Downloads

- + EasyTemp Software
- + [Brochure \(English, PDF\)](#)
- + Easy BlackBox software

Similar Models

These models could also be interesting for you:

[FK30-SE](#)

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Pictures may differ from original.

Description

Calibration Refrigerated and Heating Bath for Working Temperatures from -30 to +200 °C

The new calibration baths are perfectly suitable for applications in calibration laboratories and conform to the requirements specified by DIN ISO 9001:2000. The instruments provide highest temperature stability and temperature uniformity. An optional precision reference sensor with integrated measuring electronics and RS232 connection is available.

Advantages

- o VFD COMFORT DISPLAY, resolution 0.01 °C
- o Keypad for setpoints, warning/safety values and menu functions
- o ICC (Intelligent Cascade Control), self-optimizing temperature control
- o ATC3 3-Point-Calibration
- o Pt100 External sensor connection for measurement and control
- o SMART PUMP, electronically adjustable pump stages
- o Adjustable high temperature cut-out, visible via display
- o RS232 interface for online communication
- o Integrated programmer for 10 program steps
- o Highest temperature stability to ± 0.005 °C (± 0.02 °C at +200 °C)
- o Temperature uniformity better than ± 0.01 °C
- o Optional Pt100 sensor for reference temperature measurements
- o Temperature chamber with overflow at maximum liquid level
- o Active Cooling Control

Technical Specifications

Working temperature range	-30 ... 200 °C
Temperature control	ICC
Temperature stability	± 0.005 °C
Display	VFD
Display resolution	0.01 °C
Integrated programmer	available
Heater capacity	2000 W
Cooling capacity	20 0 -20 °C 460 340 150 W
Refrigerant	R134a
Pump capacity	Pressure: 700 mbar Suction: 400 mbar Flow rate: 22-26 l/min
Digital interfaces	RS232, optional Profibus
External Pt100 sensor connection	available
Bath opening / bath depth (W x L / D)	Ø = 12 / 31 cm
Filling volume	24 Liters
Dimensions (W x L x H)	32 x 45 x 91 cm
Weight	39 kg
Ambient temperature	5...40 °C
Classification according to DIN 12876-1	3 (FL)

Miscellaneous

Removable venting grid for convenient cleaning to maintain cooling performance.
Including bath cover with 6 openings
Temperature stability at +200°C: ± 0.02 °C