



Product Data Sheet

FK30-SL Calibration Bath

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Product Image



Order Information

Model: FK30-SL

Order no.: 9350627

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

Downloads

not available

Similar Models

These models could also be interesting for you:

FK31-SL

Sales & Support:

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Monday to Friday
7:30 am - 17:00 pm

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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 LCD DIALOG DISPLAY backlit for convenient interactive operation
- o Keypad for setpoints, warning/safety values and menu functions
- o ICC (Intelligent Cascade Control), self-optimizing temperature control
- o TCF Temperature Control Features to optimize the control behaviour
- o ATC3 3-Point-Calibration
- o Pt100 External sensor connection for measurement and control
- o SMART PUMP, electronically adjustable pump stages
- o Early warning system for low liquid level (DBGM 203 06 059.8)
- o Adjustable high temperature cut-out, visible via display
- o RS232/RS485 interface for online communication
- o Integrated programmer for 6 x 60 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 + LCD			
Display resolution	0.01 °C			
Integrated programmer	available			
Heater capacity	2000 W			
Cooling capacity	20 460	0 340	-20 150	°C 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 / 17 cm			
Filling volume	14 Liters			
Dimensions (W x L x H)	32 x 45 x 79 cm			
Weight	48 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