FSB-200 Series

Temperature Controllers for Sand Bath Systems



Accurate temperature regulation designed for fluidized sand bath systems

The Cole-Parmer® temperature controllers are designed to improve the temperature stability and temperature setting accuracies, the FSB-200 series are a self-contained unit compatible with the FSB-200D and FSB-200 fluidized sand baths.

Easily access two programmable set points for faster operation. A single-point calibration feature ensures accurate temperature readings. Set and view temperature in °C or °F to 1° resolution.

The unit is supplied with a chrome/alumel Type K thermocouple which fits into the pocket in the FSB-200 bath range.

FEATURES

- Integrated air flow control via valve and air flow meter
- On/off mains switch
- Precision 3 term PID temperature controller with included type K thermocouple
- Easy switching between °C and °F
- Two set point programming
- Single point offset/calibration correction
- Top cover label with chart for air flow settings
- Uses quick disconnect fittings to accept 9.5 mm diameter tubing for air supply connection
- 3 year warranty

sales@norrscope.com

Cole-Parmer®

Integrated airflow control via valve and airflow meter



Precision 3 term PID temperature controller with included type K thermocouple

Top cover label with chart for airflow settings



Two set point programming

Specifications

Specifications	FSB-200-TC-S	FSB-200-TC-L
Temperature Range	0 °C to 620 °C	0 °C to 620 °C
Display Resolution	1 °C o 1 °F	1 °C o 1 °F
Temperature Stability at 100 °C	±0.2 °C (with FSB-200-D bath)	±0.2 °C (with FSB-200-D bath)
Temperature Stability at 100 °C	±0.4 °C (with FSB-200 bath)	±0.4 °C (with FSB-200 bath)
Overall Size (W x H x D)	30.5 x 19.1 x 20.3 cm (12.0 x 7.5 x 7.8 in.)	30.5 x 19.1 x 20.3 cm (12.0 x 7.5 x 7.8 in.)
Shipping Weight	4.1 kg	4.1 kg
Power Supply	85 to 250 VAC, 20 W	85 to 250 VAC, 20 W
Max Load	16 A	16 A
Warranty	3 years	3 years

Ordering Information

Description	Series Number	Model Number	Legacy SKU	Item Number
Digital temperature controller with airflow meter for small fluidized sand baths (FSB-200), 0 °C to 620 °C (230 VAC)	FSB-200	FSB-200-TC-S	F937P	01184-50
Digital temperature controller with airflow meter for large fluidized sand baths (FSB-200-D), 0 °C to 620 °C (230 VAC)	FSB-200	FSB-200-TC-L	F937D	01184-55

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