

Calibration of Liquid-in-Glass Thermometers

thermometer calibration bath

- Calibrates thermometers, temperature controllers and other temperature instruments against a factory certified thermometer traceable to NIST standards
- Verifies accuracy of routine thermometers
- For temperatures between ambient to 200°C (-30°C with the use of circulated refrigerated coolant)
- Digital temperature control with temperature uniformity of $\pm 0.02^\circ\text{C}$
- Built-in ice bath for performing ice point calibrations
- Meets the requirements of NBS Monograph 150

Constant temperature calibration bath for liquid-in-glass thermometers, dial thermometers, digital thermometers and other temperature measuring instruments. Consists of an oil bath with digital electronic control providing temperature uniformity of $\pm 0.02^\circ\text{C}$ in the range -30°C to $+200^\circ\text{C}$. Accessory Standard Thermometer is calibrated and certified traceable to NIST standards. Turntable rack inserts in bath to immerse six thermometers or temperature probes and the standard thermometer. Bath depth of 12" (30.5cm) accommodates all partial immersion thermometers and most 15" total immersion thermometers.

Features digital setpoint and display ($^\circ\text{C}/^\circ\text{F}$ switchable) of bath temperature for maximum convenience, and overtemperature control to prevent accidental overheating. Built-in cooling coil permits circulation of tap water or refrigerated coolant to permit operation at sub-ambient temperatures or to facilitate rapid cool down for multi-point calibrations. Equipped with drains for oil bath and ice bath.

ordering information

catalog no.	description	
K26500	Thermometer Calibration Bath, 115V 60Hz	1
K26590	Thermometer Calibration Bath, 220-240V 50/60Hz	

accessories

K26501	Standard Thermometer, certified traceable to NIST Standards 1 at 0, 20, 37, 56, 80, 100, 121, 140, 160, 180 and 200°C	
K26503	Thermometer Magnifier(10X)	1
K26502	Thermometer Carrying Case, holds K26501 Standard Thermometer	1



K26500 Thermometer Calibration Bath

specifications

Temperature Range: -30°C to $+200^\circ\text{C}$

For sub-ambient temperatures, refrigerated recirculating coolant is required from an external source.

Temperature Uniformity: $\pm 0.02^\circ\text{C}$

Temperature Limit Control: -16.7°C (30°F) above setpoint and 204°C (400°F) maximum

Heater Range: 0-750W

Circulator: 1/20 hp impeller

Working Depth: Oil Bath: 12" (30.5cm)

Ice Bath: 10.5" (26.7cm)

Electrical Requirements:

115V 60Hz

220-240V 50/60HZ

Dimensions: l x w x h, in.(cm)

28x24x21(71x61x53)

Net Weight: 52.75 lbs (23.9kg)

Shipping Information

Shipping Weight: 66 lbs (30kg)

Dimensions: 8.2 Cu. ft.