

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.

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

28x24x21 (71x61x53)

Net Weight: 52½ lbs (23.9kg)

Shipping Information

Shipping Weight: 66 lbs (30kg)

Dimensions: 8.2 Cu. ft.

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: ½ hp impeller

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

Ice Bath: 10½" (26.7cm)

Electrical Requirements: **CE**

115V 60Hz

220-240V 50/60Hz

Ordering Information

Catalog No.		Order Qty
K26500	Thermometer Calibration Bath, 115V 60Hz	1
K26590	Thermometer Calibration Bath, 220-240V 50/60Hz	
Accessories		
K26501	Standard Thermometer, certified traceable to NIST Standards at 0, 20, 37, 56, 80, 100, 121, 140, 160, 180 and 200°C	1
K26503	Thermometer Magnifier(10X)	1
K26502	Thermometer Carrying Case, holds K26501 Standard Thermometer	1

PH / CONDUCTIVITY METERS

pH Meter

This bench-top pH meter is an ideal help in every laboratory for routine or R&D level measurement. This instrument measures pH, mV and has 40- point data memory storage. Instrument has two operating modes -

- Standard mode
- GLP mode: 40 data readings can be stored, printed and scanned on display. For GLP mode, additional entries of sample name and ID number can be stored.

The optional Data logging function enables the user to store 24 data points consisting of pH, temperature and time readings. For example, as required in kinetic study or in any chemical reaction. Time intervals from 1min. to 1Hr. in steps of 1min. are available. User entries of pH limit values make the data more defined and informative.

Conductivity Meter

Koehler offers the perfect choice of a bench top conductivity meter for measurements in the laboratory - whether routine or at the R & D level. The conductivity meter offers better operating comfort and measuring confidence in all areas of application. Due to a user selective temperature function, the instrument calculates the conductivity at the reference temperature $25 \pm 0.1^\circ\text{C}$ with a linear function.

Conductivity is an important factor in water analysis for quality of drinking water, direct ionic concentration measurement in pharmaceutical preparations, waste water treatment plants, pollution control in lakes & rivers, boiler feed water and oceanography to determine salinity and TDS.

Specifications

Temperature Range: 0 to 150°C

Temperature Resolution: 0.1°C

Temperature Accuracy: $\pm 0.2^\circ\text{C}$

Display: 20 x 2 line back-lit LCD

Keyboard: Aphanumeric splash water-proof polyester soft keys

Output: 1 – Parallel Port for Printer, 1 – RS232C for PC

Environmental Operating Temperature: Ambient to 45°C

Relative Humidity: 5 to 90% non-condensing

Electrical Requirements: **CE**

115V 60Hz

230V 50Hz

Dimensions w x d x h, in. (cm)

12x8.7x27.6 (30.5x22x70)

Net Weight: 4.85 lbs (2.2kg)

Ordering Information

Catalog No.	
K90601	pH Meter, 115V 60Hz
K90691	pH Meter, 230V 50Hz
K90602	Conductivity Meter, 115V 60Hz
K90692	Conductivity Meter, 230V 50Hz
K90603	pH / Conductivity Meter, 115V 60Hz
K90693	pH / Conductivity Meter, 230V 50Hz