

HI96000 Series

Portable Photometers

- **CAL Check**
 - Allows for performance verification and calibration of the meter using NIST traceable standards.
- **GLP**
 - Review of the last calibration date.
- **Auto-shut off**
 - Automatic shut off after 10 minutes of non-use when the meter is in measurement mode. Prevents wastage of batteries in the event the meter is accidentally left on.
- **Battery status indicator**
 - Indicates the amount of battery life left.
- **Built-in timer**
 - Display of time remaining before a measurement is taken. Ensures that all readings are taken at the appropriate reaction intervals for the test being performed.
- **Error messages**
 - Messages on display alerting to problems including no cap, high zero, and standard too low.
- **Cooling lamp indicator**
 - To maintain the desirable wavelength to be used for absorbance, it is necessary to ensure components are not overheated from the heat generated by the tungsten lamp. Each photometer is designed to allow a minimal amount of time for components to cool. The cooling lamp indicator is displayed prior to a reading being taken.
- **Units of measure**
 - Appropriate unit of measure is displayed along with reading.

Hanna's portable photometers feature an advanced optical system; the combination of a special tungsten lamp, a narrow band interference filter, and silicon photodetector ensure accurate photometric readings every time. The Hanna exclusive CAL Check™ feature utilizes ready-made, NIST traceable standards to verify both meter validation and calibration. The exclusive cuvette locking system ensures that the cuvette is inserted into the measurement cell in the same position every time to maintain a consistent path length.



"C" versions include CAL Check™ standards and a rigid carrying case

CAL Check™ Validation*

Two-step validation procedure for proper calibration.

Zero the meter prior to validation... Place the CAL Check™ Standard A into the cuvette holder and press ZERO/CFM button. The lamp, cuvette and detector icons will appear on the display followed by "-0.0-". The meter is now zeroed and ready for validation.

... and compare accuracy against a known standard. Place the CAL Check™ standard B into the cuvette holder and press CAL Check™. The lamp, cuvette and detector icons together with "CAL Check" will appear on the display. At the end of the measurement the display will show the validation standard value.

CAL Check™ Calibration*

Calibrate your instrument quickly and easily.

Zero the meter prior to calibration... Press and hold CAL Check™ for three seconds to enter calibration mode. Place the CAL Check™ Standard A into the cuvette holder and press ZERO/CFM. The lamp, cuvette and detector icons will appear on the display followed by "-0.0-". The meter is now zeroed and ready for calibration.

... and calibrate to a known standard. Place the CAL Check™ Standard B into the cuvette holder. Press READ/TIMER and the lamp, cuvette and detector icons will appear on the display. After measurement the instrument will show the CAL Check™ Standard value.

Solutions and Accessories

HI93703-50	Cuvette cleaning solution, 230 mL	HI731335	Cuvette caps (4)
HI731318	Cuvette cleaning cloth (4)	HI740318	Carrying case for HI96 series
HI731331	Measuring cuvettes (4)		

*Each CAL Check™ cuvette is clearly labeled with its respective measurement. Please read the full instruction manual before validation/calibration.