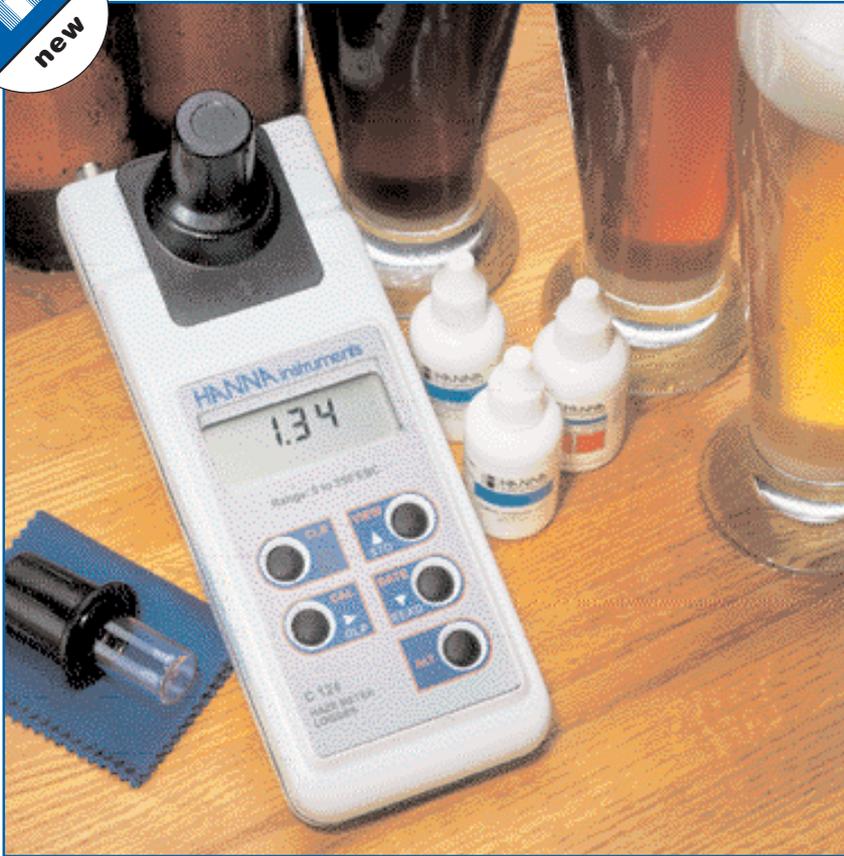


## Portable Logging Haze Meter for Beer Analysis



### Specifications

HI 93124	
Range	0.00 to 10.00 EBC; 10 to 250 EBC
Resolution	0.01 EBC; 1 EBC
Accuracy	$\pm 0.20$ EBC $\pm 3\%$ of reading (0.00 to 10.00); $\pm 1$ EBC $\pm 5\%$ of reading (outside)
Calibration	3 points (0 EBC, 2.5 EBC, 125 EBC)
Light Source	infrared LED @ 890 nm
Light Source Life	life of the instrument
Light Detector	silicon photocell
Battery Type / Life	4 x 1.5V AA / 660 hours or 900 measurements; auto-off after 5 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	220 x 82 x 66 mm (8.7 x 3.2 x 2.6")
Weight	510 g (1.1 lb.)

### Accessories

HI 93124-0	Calibration standard @ 0 EBC, 30 mL	HI 731318	Tissue for wiping cuvetts (4 pcs)
HI 93124-1	Calibration standard @ 2.5 EBC, 30 mL	HI 731321	Spare glass cuvet (4 pcs)
HI 93124-2	Calibration standard @ 125 EBC, 30 mL	HI 92000	Windows® compatible application software
HI 93124-03	Calibration Kit: C124-0, C124-1 and C124-2	HI 920011	Serial cable (5 to 9 pin) for PC connection
		HI 93703-50	Cuvet cleaning solution, 230 mL

For other accessories, see sections U and V.  
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Beer clarity is a parameter constantly controlled in breweries.

Several substances can cause haze in beer, but the most frequently encountered problem is due to cross-linking of polyphenol and protein. A range of stabilization treatments is available for avoiding haze problems.

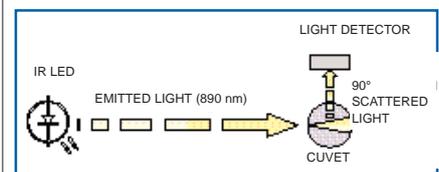
HI 93124 is a portable haze meter specially designed for application in breweries. The instrument is also provided with a log-on-demand feature, which allows the user to store up to 199 samples into the internal memory.

HI 93124 can be connected to a PC through an RS232 serial port with HI 92000 Windows® compatible software.

### Principle of Operation

HI 93124 has been designed to perform measurements according to the EBC (European Brewery Convention) standard.

The instrument functions by passing a beam of infrared light through a cuvet containing the sample being measured. The light source is a high emission infrared LED with a wavelength ensuring that the interference caused by colored samples is minimum. A sensor positioned at 90° with respect to the direction of light scattered by the undissolved particles present in the sample.



### Ordering Information

HI 93124 is supplied complete with 2 glass cuvetts with caps, 4 alkaline batteries (1.5V AA), rugged carrying case and instructions.