# HI 96724

## Free & Total Chlorine Portable Photometer

PEWA
Messtechnik GmbH

Weidenweg 21
58239 Schwerte

Tel.: 02304-96109-0
Fax: 02304-96109-88
E-Mail: info@pewa.de
Homepage : www.pewa .de

- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

The HI 96724 measures the free and total chlorine content in water samples in the 0.00 to 5.00 mg/L (ppm) range. The method is an adaptation of the USEPA Method 330.5 for wastewater, and Standard Method 4500-CL G for drinking water.

The HI 96724 incorporates an advanced optical system based on a special tungsten lamp and a narrow band interference filter that allows the most accurate and repeatable readings. The instrument is factory calibrated and the electronic and optical design minimizes the need of frequent calibration.

The meter uses an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

The cuvette has a very important role because it is an optical element and thus requires particular attention. It is important that both the measurement and calibration (zeroing) cuvettes, are optically identical to provide the same measuring conditions.

This photometer has been designed to be used with liquid reagents. Free and total chlorine parameters can be switched between depending on procedure and reagents.

**Order Information:**
**HI 96724** is supplied with sample cuvettes (3) with caps, 9V battery and instruction manual.
**HI 96724C** includes photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications | Accessories | Downloads

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|---|---|
| Range | 0.00 to 5.00 mg/L of $Cl_2$ (Free or Total) |
| Resolution | 0.01 mg/L from 0.00 to 3.50 mg/L; 0.10 mg/L above 3.50 mg/L |
| Accuracy | ±0.03 mg/L ±3% of reading @ 25°C |
| Light Source | Tungsten lamp |
| Light Detector | Silicon photocell with narrow band interference filter @ 525 nm |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% non-condensing |
| | (1) 9V battery |

| | |
|---|---|
| Power Supply | |
| Auto-off | After 10 minutes of non-use in measuring mode; after 1 hour of non-use in calibration mode |
| Dimensions | 192 x 104 x 69 mm (7.6 x 4.1 x 2.7") |
| Weight | 360 g (12.7 oz.) |
| Method | Adaptation of the USEPA method 330.5 and Standard Method 4500-CL G |