



## HI96730 Molybdenum Portable Photometer

- **CAL Check™**
  - Enables users to check validity of calibration
- **BEPS**
  - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
  - Meets Good Laboratory Practices

The HI96730 measures the molybdenum content in water and wastewater. 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 the calibration (zeroing) cuvettes are optically identical to provide the same measurement conditions. Whenever possible, use the same cuvette for both. It is necessary that the surface of the cuvette is clean and not scratched to avoid interference due to unwanted reflection and absorption of light. It is recommended not to touch the cuvette walls with hands.

Furthermore, in order to maintain the same conditions during the zeroing and the measuring phases, it is necessary to close the cuvette to prevent any contamination.

The reaction between molybdenum and the reagent causes a yellow tint in the sample.

Specifications	HI96730 Molybdenum
Range	0.0 to 40.0 mg/L (ppm)
Resolution	0.1 mg/L
Accuracy @ 25°C (77°F)	±0.3 mg/L ±5% of reading
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 420 nm
Power Supply	9V battery
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)
Method	adaptation of the mercaptacetic acid method
<b>Ordering Information</b>	<b>HI96730</b> is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual CAL Check™ standards and testing reagents sold separately
<b>Reagents and Standards</b>	<b>HI96730-11</b> CAL Check™ standard cuvettes
	<b>HI93730-01</b> reagents for 100 tests
	<b>HI93730-03</b> reagents for 300 tests

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71