

## HF-38 Fluorimeter for Heavy Metals Testing

The HF scientific HF-38 Fluorimeter is an extremely sensitive, hand-held, ruggedized instrument designed for field testing of toxic heavy metal contaminants in water supplies. It requires no special skill or knowledge of chemistry to operate. This product is a breakthrough in efficiency, testing accuracy and ease of use and is designed for use with HF heavy metal sensors.

Through the use of DNA sensors, a reaction that fluoresces in the presence of a target contaminate substance, such as lead, is measured to determine the concentration of the target heavy metal and is reported in parts per billion (ppb).



### Standard Features

- Fluorescence based sensing**

The HF-38 fluorimeter produces quantitative fluorescence based results

- Sensor kit**

Disposable color-coded sensors designed for a specific heavy metal test target. Kits provide sampling tubes, syringes and cuvettes

- Rugged and convenient construction**

Tough, light weight, impact and water resistant shell (IP54) protects the electronics

- Key pad**

Quick, simple menu navigation and one button push for sample analysis

- Data capture and reporting**

Time and date stamped with sample number. Data downloadable through a USB cable

- Portable**

Battery operated and rechargeable through USB cable

- Video training**

Embedded instructional video trains users without documentation

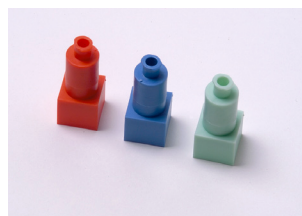
- Sensors for Lead, Copper, Uranium and Mercury**



### Specifications

Light source:	Light emitting diode (LED)
Detector:	Photomultiplier tube
Filters:	Excitation 485nm Emission 535nm
Interface:	USB 2.0
Data:	OLED displayed or download in csv format
Power:	Battery operated (rechargeable lithium battery)
Power recharging:	via USB cable
Power usage:	Battery lasts over 225 tests on a full charge (at 45 seconds per test)
Dimensions:	Width: 3.6 inches / 9.14 cm Depth: 8.0 inches / 20.3 cm Height: 2.25 inches / 5.72 cm
IP rating:	IP54 (water resistant)

Specifications subject to change without notice.



Color coded sensors

