



# DR1300 FL Portable Fluorometer

## Applications

- Food and Beverage
- Power and steam generation
- Electronics
- Chemical
- Pulp & Paper
- Pharmaceutical



## Follow the Fluorescence

The DR1300 FL features new fluorescence technology only from Hach®. Think about lighting bugs in a night sky. That's what happens when you activate the glow with 10 easy drops of our specially formulated reagent. Then, you'll follow the fluorescence to process improvements by understanding how much chlorine is in your system.

### Protect Your Assets

Too much chlorine causes irreversible membrane damage, too little and you'll be cleaning more frequently from biofouling. Accuracy in your water analysis protects your assets, and now you have the control to consistently measure down to 2 ppb chlorine and 6 ppb sulfite with industry-first fluorescence testing methods.

### Monitor and Optimize Your Dechlorination Process

Your process may benefit from low levels of residual chlorine. Reduce biofouling potential and save on dechlorination costs by testing for sulfite and chlorine at ultra-low levels. You will be able to adjust your bisulfite feed or GAC process and keep a low chlorine presence to avoid downtime and corrective measures.

### Depend on Direct Measurements

The DR1300 FL provides portable tests for free and total chlorine as low as 2 ppb and sulfite down to 6 ppb. It works with your monitoring and control tools to improve your current process. You will get quick and easy direct measurements to help ensure product quality.

### New Fluorescence Technology

Groundbreaking ultra-low range fluorescence tests from Hach offer easy-to-perform ultra-low range solutions for free or total chlorine and sulfite. The DR1300 FL and fluorescence methods overcome many common interferences as well. You get the precision and accuracy you need.

## Technical Data\*

<b>Parameter</b>	Chlorine free & total, Sulfite	<b>Application</b>	Indoor or outdoor use
<b>Range</b>	Total Chlorine: 3 - 100 µg/L (ppb) Free Chlorine: 2 - 100 µg/L (ppb) Sulfite: 6 - 500 µg/L (ppb)	<b>Power Supply</b>	Four AA alkaline batteries
<b>Enclosure Rating</b>	IP65	<b>Dimensions</b>	(W x H x D) 26.5 x 8.8 x 6.2 cm (10.43 x 3.46 x 2.44 inches)
<b>Light Source</b>	UV LED, 365 nm	<b>Weight</b>	0.6 kg (1.32 lb) without batteries
<b>Detector</b>	Silicon photodiode	<b>Operating Temperature Range</b>	4 - 49 °C (40 - 120 °F), 0 - 85% relative humidity (non-condensing)
<b>Wavelength Accuracy</b>	±1 nm	<b>Storage Conditions</b>	-18 °C - 60 °C (0 - 140 °F)
<b>Display</b>	Graphical LCD with backlight, 160 x 240 pixels	<b>Altitude</b>	2000 m (6562 ft) maximum
		<b>Data Storage</b>	16 GB SD Card or 60,000,000 data points

\*Subject to change without notice.

## Order Information

### Instruments

**LPV449.97.01002** DR1300 FL Portable Fluorometer with Bluetooth

### Reagents

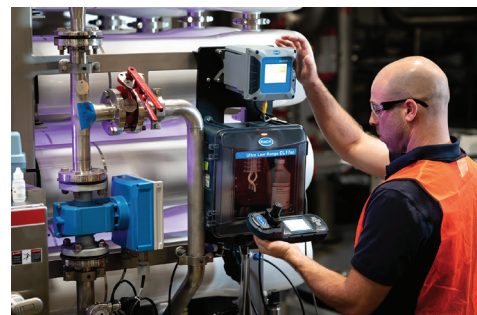
**34252000** ULR Total Chlorine Fluorescence Test Kit, 3-100 µg/L (ppb), 100 Tests  
**34251000** ULR Free Chlorine Fluorescence Test Kit, 2-100 µg/L (ppb), 100 Tests  
**34250000** ULR Sulfite Fluorescence Test Kit, 6-500 µg/L (ppb), 100 Tests  
**34630000** Fluorescence Standards Kit

### Accessories

**LPZ449.99.00001** 16 mm Sample Cell Adapter & Cover  
**LPZ449.99.00002** DR1300 FL Bluetooth Dongle  
**100866** 16 mm Sample Vials, pk/6  
**3563500** Sample Vial Holder for 16 mm Fluorescence Test Sample Cells

### Hach Service

With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximize instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.



**World Headquarters: Loveland, Colorado USA | [hach.com](http://hach.com)**

**United States** 800-227-4224 fax: 970-669-2932 email: [orders@hach.com](mailto:orders@hach.com)  
**Outside United States** 970-669-3050 fax: 970-461-3939 email: [int@hach.com](mailto:int@hach.com)

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

**DOC052.53.25030.Jan22**