HACH®
Be Right™

# DR1300 FL Portable Fluorometer

**Applications**
- Food and Beverage
- Power and Steam Generation
- Electronics
- Chemical
- Pulp & Paper
- Pharmaceutical




## Portable lab meter for ultra low range chlorine and sulfite detection

The DR1300 FL portable fluorometer instrument, combined with specially formulated reagents create a fluorescence that indicates chlorine at ultra low ranges. DR1300 FL offers the most simple way to be confident that chlorine has been removed or reduced from your process. This groundbreaking technology is available only from Hach®.

Measure free and total chlorine plus sulfite in the low ppb range:

Free Chlorine: 2 - 100 µg/L $Cl_2$
Total Chlorine: 3 - 100 µg/L $Cl_2$
Sulfite: 6 - 500 µg/L $SO_3$

With this knowledge, you'll gain the insights you need to manage your dechlorination process and avoid chlorine damage to reverse osmosis (RO) membranes and other valuable assets.

### Protect Your Assets

DR1300 FL offers simple methods, with increased accuracy over other traditional methods, to deliver confident results that chlorine has been removed or reduced to meet your process specifications. 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 Optimise Your Dechlorination Process

Monitor that you have removed or reduced chlorine or optimise and control by verifying low levels of residual chlorine and sulfite with the DR1300 FL. 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.

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## Technical Data*

| | |
|---|---|
| **Parameter** | Chlorine free & total, Sulfite |
| **Measuring range** | Free Chlorine: 2 - 100 µg/L (ppb)<br>Total Chlorine: 3 - 100 µg/L (ppb)<br>Sulfite: 6 - 500 µg/L (ppb) |
| **Enclosure waterproof rating** | IP65 |
| **Light source** | UV LED, 365 nm |
| **Detector** | Silicon photodiode |
| **Wavelength accuracy** | ±1 nm |
| **Display** | Graphical LCD with backlight, 160 x 240 pixels |

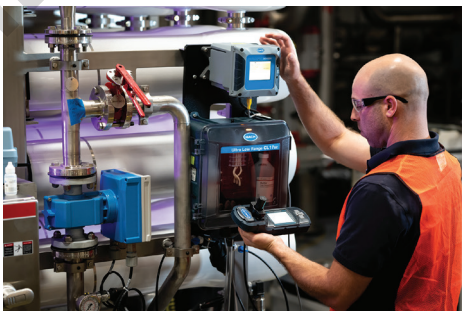
| | |
|---|---|
| **Application** | Indoor or outdoor use |
| **Power supply** | Four AA alkaline batteries |
| **Dimensions** | (W x H x D) 26.5 x 8.8 x 6.2 cm (10.43 x 3.46 x 2.44 inches) |
| **Weight** | 0.6 kg (1.32 lb) without batteries |
| **Operating temperature range** | 4 - 49 °C (40 - 120 °F), 0 - 85% relative humidity (non-condensing) |
| **Storage conditions** | -18 °C - 60 °C (0 - 140 °F) |
| **Altitude** | 2000 m (6562 ft) maximum |
| **Data storage** | 16 GB SD Card or 60,000,000 data points |

**Subject to change without notice.*

## Order Information

### Instruments

| | |
|---|---|
| **LPV449.98.01002** | 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 Protects Your Investment

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 maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

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