



DR1300 FL Portable Fluorometer with Bluetooth

Product #: LPV449.98.01002
AED Price: Contact Hach

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 $\mu\text{g/L Cl}_2$

Total Chlorine: 3 - 100 $\mu\text{g/L Cl}_2$

Sulfite: 6 - 500 $\mu\text{g/L SO}_3$

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.

Key Benefits

- Provides precise and accurate results
- Tests are easy-to-perform, with ULR analysis in minutes
- Reduce biofouling potential
- Save on dechlorination costs
- Handles traditional interferences with ease
- Bluetooth capability allows easy data transfer
- Decrease in toxic reagents and chemical waste (as detector chemical addition is a fraction of traditional tests)

*Please note that Reagents are not included and need to be purchased separately.

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.

Specifications

Altitude:	2000 m (6562 ft) maximum
Application:	Indoor or outdoor use
Data storage:	16 GB SD Card or 60,000,000 data points
Data types:	Bluetooth
Detector:	Silicon photodiode
Dimensions:	(W x H x D) 26.5 x 8.8 x 6.2 cm (10.43 x 3.46 x 2.44 inches)
Display:	Graphical LCD with backlight, 160 x 240 pixels
Enclosure waterproof rating:	IP65
Light source:	UV LED, 365 nm
Measurement method:	Hach Fluorescence
Measuring range:	Free Chlorine: 2 - 100 µg/L (ppb)
Operating temperature range:	4 - 49 °C (40 - 120 °F), 0 - 85% relative humidity (non-condensing)
Parameter:	Chlorine free & total, Sulfite
Power supply:	Four AA alkaline batteries
Storage conditions:	-18 °C - 60 °C (0 - 140 °F)
Warranty:	24 months
Wavelength accuracy:	±1 nm
Weight:	0.6 kg (1.32 lb) without batteries
What's included?:	DR1300 FL Fluorometer, 4x AA Batteries, Sample Vial Adapter, Sample Vial Adapter Cover, USB Bluetooth Converter, User Manual

Reagents are not included and have to be purchased separately.

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