

Thermo Scientific Orion Chloride Analyzers

Accurate, real-time steam cycle and boiler chemistry monitoring and control

online analyzers: **chloride**



Thermo Scientific Orion 2117LL Low-Level Chloride Analyzer

Continuous online measurement of chloride at low parts per billion levels

The Orion 2117LL low level chloride analyzer delivers early detection of chloride ingress from feedwater to help your plant maintain the optimal balance of water purification.

- Detects chloride in real-time – providing accurate and reliable results
- Only real-time monitor on the market capable of reading down to 5 ppb
- Simple operation and minimal maintenance required – no moving parts

Thermo Scientific Orion 2117XP Chloride Analyzer

Real-time chloride detection with long calibration cycles

The Orion 2117XP chloride analyzer detects chloride in real time – providing accurate and reliable results that you can count on.

- Offers early detection of chloride ingress from feedwater, optimizing the plant's balance of water purification with ease
- Continuously displays levels of chloride to help monitor and prevent corrosion that can cause mechanical damage
- Fast and highly accurate calibration enhances productivity

Thermo Scientific Orion 2117HL High Level Chloride Analyzer

Real-time chloride level analysis

The solution for your high chloride measurement needs – the Orion 2117HL high level chloride analyzer offers industry leading performance to measure elevated levels of chloride in real time

- Offers superior electrode technology for stability, combined with a virtually maintenance-free fluidic design
- No reagent required for analysis
- Repeatable and verifiable measurements at a glance using the large display

Reagent	Formic acid	Formic acid	None required
Range	5 ppb to 10 ppm	0.1 ppm to 100 ppm	75 ppm to 1000 ppm
Resolution	2, 3 or 4 digits	2, 3 or 4 digits	2, 3 or 4 digits
Accuracy	10% of reading or ± 5 ppb, whichever is greater, within $\pm 5^\circ$ C of calibration temperature, whichever is greater	(with DKA cal): ± 0.1 ppm or 10%, whichever is greater	Accuracy (with DKA cal): $\pm 10\%$

Cat. No.	2117LLEN	2117XPEN	2117HLEN
Description	Low Level Chloride Monitor with Protective Enclosure Package	Chloride Analyzer with Protective Enclosure Package	

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