

The Online Analyzers

Thermo Fisher Scientific offers a wide range of continuous online water analyzers designed to measure concentrations of various chemical species in an online environment, including silica, sodium, chloride, hydrazine, ammonia, fluoride, and dissolved oxygen calcium hardness. Online measurements have become increasingly important in meeting strict regulatory requirements for contaminant levels in water, and Thermo Scientific Orion online analyzers are ready to meet all your critical measurement needs.

Thermo Scientific Orion Analyzers

Early online detection of level silica

Thermo Scientific Orion 2230 Silica Analyzer

Our Orion 2230 Silica Analyzer provides continuous and online measurement of reactive silica to protect mission critical systems. Thanks to the optimized design of the Orion 2230 analyzer, reagent consumption is drastically reduced as compared to other systems, thus reducing the overall cost of ownership.

- Low reagent consumption – thanks to a highly optimized, state of the art design.
- Wide range of detection – 0 to 5000 ppb provides a more complete picture of silica intrusion in the process.
- Simple menu navigation – an easy to read and understand menu structure.
- Compact size – smallest total system footprint on the market today, capable of being panel or wall mounted.

Cat. No.	223000
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Description	Model 2230 Silica Analyzer
Measuring Range	0 – 5000 ppb auto-ranging or user programmable
Accuracy Error	Less than 5% of reading or ± 0.5 ppb, whichever is greater, from 0 to 300 ppb. Less than 10% of reading from 300 to 5000 ppb.
Resolution Error	0.5 ppb in all ranges
Response Time	Less than 15 minutes per analysis
Repeatability Error	Less than $\pm 2\%$ of reading or ± 0.5 ppb, whichever is greater from 0 to 300 ppb. Less than $\pm 5\%$ of reading from 300 ppb to 5000 ppb
Limit of Detection	0.5 ppb
Method	Optical absorption at 810 nm



[[CLICK HERE](#) — for detailed specifications]