

# Orion ionplus® Series Monitors Specifications



## 2030 Silica Monitor

### Features:

- 0.5 ppb detection limit
- 3 reagent addition CEBG method
- 6 stream capability (1 standard)
- Ease of use with digital alphanumeric readout
- Grab sample capability
- Accurate reagent metering for low and high levels
- Fully programmable for individual needs - 10 stored methods
- Fully programmable AUTOCAL™
- Analog and digital outputs
- Stores last 25 calibrations and last 120 measurements
- Rugged NEMA 4X enclosure

### Markets:

- Power
- Semiconductor
- Pharmaceutical
- Pulp and Paper
- Chem / Petrochemical

### Applications:

- Demineralizer effluent
- Boiler water

### Environmental Instruments Water Analysis Instruments

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S-2030-E 0506 RevB

### Specifications

#### 2030 Silica

Measuring Range:	0-500 ppb SiO <sub>2</sub>
Method:	Silica in water using the absorption band at 810 nm with reference wavelength at 450 nm single beam dual wavelength using fiber-optic probe in the transflection mode
Limit of Detection:	0.5 ppb
Response Time:	8-10 min, 0-100 ppb 15 min, 100-500 ppb
Signal Output:	0-10 mV, 0-100 mV, 0-1V, 4-20 mA RS232 bi-directional modem
Sample Requirements:	Temperature: 5 to 70°C (41 to 158°F) Pressure: (0.2 - 3 bar) (2-50 psi) Flow: 50-900 mL/min
Sample Streams:	1 standard, 2-6 optional
Calibration:	Automatic - fully programmable
Enclosure Rating:	NEMA 4X, IP65
Electrical Requirements:	110/115/220/240V AC 50/60 Hz 100 watts
Shipping:	Dimensions: (LxWxD) 76x76x48 cm (30x30x19 in) Weight: 44 kg (96 lbs)

### Ordering Information

Cat. No.	Description
203000:	Silica analyzer, single stream
2030S2:	Silica analyzer, 2 streams
2030S3:	Silica analyzer, 3 streams
2030S4:	Silica analyzer, 4 streams
2030S5:	Silica analyzer, 5 streams
2030S6:	Silica analyzer, 6 streams
*2030RE:	Reagent kit, 1 month
2030IR:	International reagent kit, 1 month
2030RT:	Reagent holder shelf
203002:	20 ppb silica standard, (4) 475 mL (1 pint) bottles
203010:	100 ppb silica standard, (4) 475 mL (1 pint) bottles
203020:	200 ppb silica standard, 5 liters (1.3 gallons), for automatic calibration
2030MK:	Maintenance kit, 3 months, check valves for reagent tubing, pump seals, silicon oil, reaction cell O-ring kit, C-flex tubing
2030GS:	Silica grab sample kit
2030GP:	Silica grab sample kit spare parts
2030LA:	Replacement tungsten lamp



Silica Reagent and Standard



Grab Sampler

*\*Contains hazardous material*

*Above data generated under optimal/controlled circumstances.*

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