

Orion ionplus® Series Monitors Specifications



1817LL Low-Level Chloride Monitor

Features:

- Measures down to 5 ppb chloride
- Low cost of operation
- QC Sampling Capability:
 - Validation using standards
 - Grab samples
 - Alternative to lab analyses
- Integrated sample temperature control for lower levels of detection
- Low maintenance
- Ease of calibration

Markets:

- Power Generation
- Reverse Osmosis

Applications:

- Boiler water chloride measurements
- Equilibrium Phosphate Treatment (EPT) chloride measurements
- RO Effluent

Environmental Instruments Water Analysis Instruments

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S-1817LL-E 0506 RevB

Specifications

1817LL

Measuring Range:	5ppb to 10ppm chloride
Signal Output:	4-20 mA or 0-20 mA 0-5V or 0-10V DC Linear or log output
Precision:	10% of reading or ± 5 ppb, whichever is greater, within ± 5 °C of calibration temperature.
Drift:	0.1 ppm per month or 10% of reading whichever is greater.
Sample Requirements:	Temperature: 5 to 45 °C (40 to 113 °F) Pressure: (0.6 - 6.9 bar) (8-100 psi) Flow: 40 mL/min Total alkalinity: < 50 ppm CaCO ₃ Sulfite must not be present.
Cooled Sample Temp:	5-12 °C
Calibration:	1 - 3 - point calibration using dynamic calibrator
Electrical Requirements:	100/115/220 or 240V AC, $\pm 10\%$, 50/60 Hz, 100 watts.
Shipping:	Dimensions: (LxWxD) 65x45x27 cm (26x17x11 in) Weight: 31.4 kg (69 lbs)

Ordering Information

Cat. No.	Description
1817LL:	Low-Level Chloride monitor with cooler, 110V
1817LL100:	1817LL, 100V
1817LL230:	1817LL, 230V
100025:	Chloride electrode, screwcap
100057:	Reference electrode, screwcap
941707:	100 ppm Chloride standard, 475mL (1 pint bottle)
1817CAL:	Includes dynamic calibrator (Cat. No. 15DC15), and 100ppm Chloride standard (Cat. No. 941707) in an easy-to-use kit.
*182011:	Acid reagent for 60 days operation (one liter bottle) with one 2 foot length thin-walled tubing and O-rings



1817LL Sample Cooler

**Contains hazardous material.*

Above data generated under optimal/controlled circumstances.

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Analyze • Detect • Measure • Control™

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