

# Orion ionplus® Series Monitors Specifications



## 1817HL Chloride Monitor

### Features:

- 0.1 ppm detection limit
- Simple operation and calibration
- No moving parts
- Wide range of detection
- Digital LCD
- Chloride specific measurement

### Markets:

- Power
- Semiconductor
- RO systems

### Applications:

- Detects condenser leaks in seawater cooled power plants
- Boiler water monitoring
- RO feedwater monitoring

### Environmental Instruments Water Analysis Instruments

166 Cummings Center  
Beverly, MA 01915 USA

[www.thermo.com/water](http://www.thermo.com/water)

Toll Free: 1-800-225-1480  
Tel: 1-978-232-6000  
Dom. Fax: 1-978-232-6015  
Int'l Fax: 978-232-6031

[info.water@thermo.com](mailto:info.water@thermo.com)

© 2006 Thermo Electron Corporation. All rights reserved.  
S-1817HL-E 0506 RevB

### Specifications

#### 1817HL

Measuring Range:	0.1-100 ppm chloride (higher ranges available)
Accuracy:	± 0.1 ppm or 10%, whichever is greater
Response Time:	90% within 2 min
Signal Output:	4-20 mA or 0-20 mA 0-5V or 0-10V DC Linear or log output
Sample Requirements:	Temperature: 5 to 35°C (41 to 95°F) Pressure (Sulfite cannot be present in sample): (0.6 - 6.9 bar) (8-100 psi) Flow: 40 mL/min
Total alkalinity:	< 50 ppm CaCO <sub>3</sub>
Calibration:	Automatic - double known addition
Electrical Requirements:	110/115/220/240V AC 50/60 Hz 100 watts
Shipping:	Dimensions: (LxWxD) 65x45x27 cm (26x17x11 in) Weight: 31.4 kg (69 lbs)

### Ordering Information

Cat. No.	Description
1817HL:	Chloride monitor, complete with chloride and reference electrodes, standard solutions kit, and signal output module
100025:	Chloride electrode, screwcap
100057:	Reference electrode, screwcap
181140:	Standard solutions kit
181141:	High level standard solutions kit
*182011:	Reagent, Acid, with tubing, for 60 days
180011:	Alarm module, 2 adjustable alarms
181060:	Diffusion tubing (thin-walled), (4) 2 foot lengths with O-rings
181125:	Restrictor Tube Assembly
204847-001:	Calibration pipet, 0.5 mL
204846-001:	Pipet tips, set of 100



Chloride Reagent and Electrodes

\*Contains hazardous material.

Above data generated under optimal/controlled circumstances.

ROSS and the COIL tradenames are trademarks of Thermo Electron Corporation. US Patent 6,793,787



Analyze • Detect • Measure • Control™

**Thermo**  
ELECTRON CORPORATION