

Orion ionplus® Series Monitors Specifications



1709 Fluoride Monitor

Features:

- 0.01 to 1000 ppm
- Solid state electrode
- Choice of measuring range
- Measures unfiltered wastewater
- Reagent buffers up to 500 ppm acidity / alkalinity
- Reliable chemistry
- Low cost of operation

Markets:

- Semiconductor
- Industrial wastewater
- Municipal wastewater

Applications:

- Compliance monitoring

Environmental Instruments Water Analysis Instruments

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S-1709-E 0506 RevB

Specifications

1709	
Measuring Range:	0.01-1000 ppm fluoride. User to select 2, 3, or 4 decades within this range. Higher ranges available
Accuracy:	± 10 ppb or ± 10% of reading whichever is greater
Response Time:	1 min
Signal Output:	0-5V DC 4-20 mA Outputs to drive recorder
Sample Requirements:	Temperature: 0 to 40°C (32 to 104°F) Pressure: (0.1 - 1.4 bar) (2-20 psi) Flow: 2-20 L/min (0.5-5 gal/min) Total alkalinity: 0-500 ppm CaCO ₃
Calibration:	2 point calibration
Electrical Requirements:	115V AC (170901) 50/60 Hz 220V AC (170903) 50/60 Hz 100 watts
Shipping:	Dimensions: (LxWxD) 154x64x33 cm (60x25x13 in) Weight: 102 kg (225 lbs)

Ordering Information

Cat. No.	Description
170901:	Fluoride monitor, 115V, complete with fluoride electrode (100029), and reference electrode (100031)
170903:	Fluoride monitor, 220V, complete with fluoride electrode (100029), and reference electrode (100031)
100029:	Fluoride electrode, screw cap
100031:	Reference electrode, with 2 oz. bottle of internal filling solution
150071:	Reference electrode internal filling solution, for use with 100031 reference electrode, (5) 2 oz. bottles
170950:	Consumables kit, for 1 year, contains fluoride reagent and standard
170930:	Fluoride reagent, for 30 days
170959:	Spare parts kit, consists of fluoride electrode, reference electrode, filling solutions, inlet screens, pump seals, fuses, O-ring kit, check valves and carbon filter.
940907:	Fluoride standard solution, 100 ppm, 475mL (1 pint bottle)
110902:	Fluoride standard solution, 1000 ppm, 475mL (1 pint bottle)
170013:	Tubing kit
150084:	Signal linearizer
207303-A01:	Cable, screw cap to SHV connector



Fluoride Standard and Electrodes

Above data generated under optimal/controlled circumstances.

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