

Ion Selective Electrodes

A. Fluoride, Chloride and Silver/Sulfide Electrodes

State-of-the-art, convenient, combination ISEs (with built-in reference electrodes) for Fluoride, Chloride and Silver or Sulfide measurement. Membranes are LaF₃ single crystal membrane (F⁻), solid-state Ag₂S/AgCl (Cl⁻) or solid-state Ag₂S (Ag⁺/S²⁻), refillable references are single junction (F⁻) or double junction (Cl⁻ and Ag⁺/S²⁻) with high flow rate plastic sleeve junctions for accurate measurements, durable epoxy body, 12 mm diameter, 110 mm length, BNC connector.

- Fluoride Combination ISE **Cat. No. 02-226-11**
- Chloride Combination ISE **Cat. No. 02-226-14**
- Silver/Sulfide Combination ISE **Cat. No. 02-226-177**

B. Nitrate, Potassium and Calcium Electrodes

Convenient combination ISEs use solvent-polymer PVC membrane technology. Built-in refillable reference electrodes are single junction (Ca⁺⁺) or double junction (NO₃⁻ and K⁺) with high flow rate plastic sleeve junctions, durable epoxy body, 12 mm diameter, 120 mm length, BNC connector.

- Nitrate Combination ISE **Cat. No. 02-226-15**
- Potassium Combination ISE **Cat. No. 02-226-16**
- Calcium Combination ISE **Cat. No. 02-226-17**

C. Sodium Electrode

Combination ISE uses a sodium selective glass membrane. Built-in liquid-filled reference electrode, glass body, 12 mm diameter, 110 mm length, BNC connector.

- Sodium Combination ISE **Cat. No. 02-226-13**

D. Combination ORP Electrode

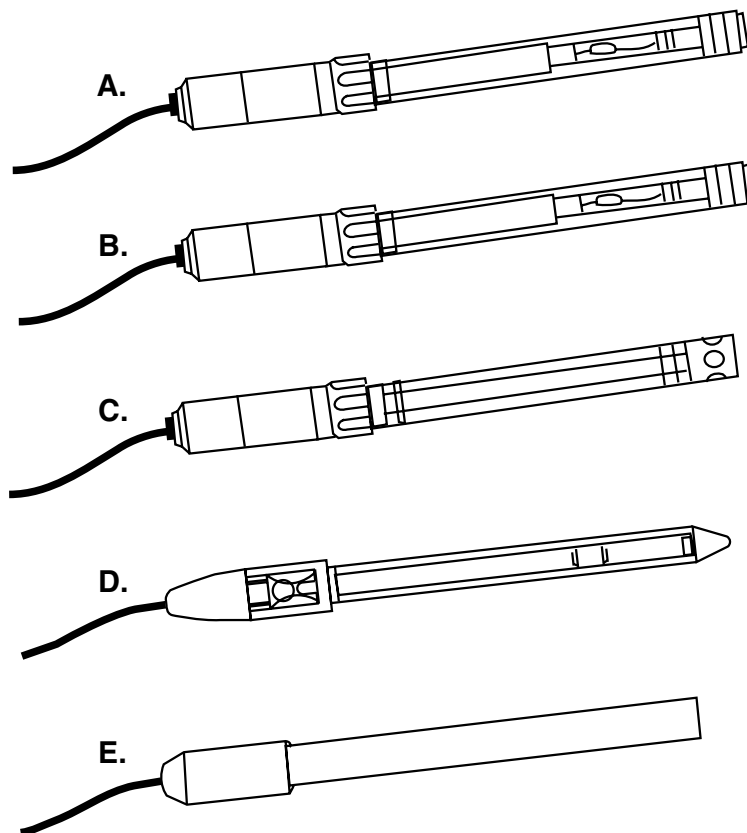
Used to measure ORP (Oxidation Reduction Potential, or Redox Potential) in samples such as industrial waters. Convenient combination electrode includes Ag/AgCl reference with ceramic junction, large area platinum disc sensing element, BNC connector.

- ORP (Redox) Combination ISE **Cat. No. 02-226-18**

E. Ammonia Electrode

Combination ISE uses a replaceable screw-on porous Teflon membrane module. Epoxy body, 12 mm diameter, BNC connector.

- Ammonia Combination ISE **Cat. No. 02-226-12**



Specifications

Ion	Measurement Range (ppm)	Slope (mV/decade)	Temperature Range	Response Time	Filling Solution
Fluoride	0.02 - Saturated	-57 ± 2	0 to 80°C	20 sec	KCl
Chloride	1.8 - 35000	-56 ± 2	0 to 80°C	20 sec	KNO ₃
Silver	0.01 - 108000	57 ± 2	0 to 80°C	20 sec	KNO ₃
Sulfide	0.003 - 32000	27 ± 2	0 to 80°C	20 sec	KNO ₃
Ammonia	0.01 - 17000	56 ± 3	0 to 50°C	60 sec	NH ₄ Cl
Sodium	0.02 - Saturated	56 ± 2	0 to 80°C	45 sec	NH ₄ Cl
Nitrate	0.5 - 62000	57 ± 2	0 to 50°C	30 sec	(NH ₄) ₂ SO ₄
Potassium	0.04 - 39000	56 ± 2	0 to 50°C	30 sec	NaCl
Calcium	0.2 - 40000	27 ± 2	0 to 50°C	30 sec	KCl



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