

# pH/ATC Electrodes and Conductivity Cells

**A. pH/ATC Plastic-body Electrode** 300728.1  
 For routine pH measurements. pH range 0 to 14, Ag/AgCl reference with fiber junction. 3M KCl liquid-filled electrode, temperature range -5°C to 80°C. BNC and 2.5mm phone plug connectors.

**B. High performance pH/ATC Electrode** 300729.1  
 For all pH measurements, including TRIS samples. Glass body, pH 0 to 14, low resistance break-resistant toughened glass, super-stable 3M KCl liquid-filled reference with nonclogging free-flow platinum junction, temperature range -5°C to 100°C. BNC and 2.5 mm phone plug connectors. Standard electrode for Denver 200 Series and UB-10 w/ Deluxe Bio-Kit

**C. Sleeve-Junction pH Electrode** 300738.1  
 For viscous or low ionic strength samples. pH 0 to 14, low resistance glass, liquid-filled 3M KCl reference, adjustable flow rate plastic sleeve junction, temperature range -5°C to 100°C, BNC connector.

**D. pH Glass-body Electrode** 300731.1  
 For all pH measurements, including TRIS samples. Glass body, pH 0 to 14 low resistance break-resistant toughened glass, super-stable 3M KCl refillable reference cartridge system with nonclogging free-flow platinum junction, BNC connector, temperature range -5°C to 100°C.

**E. Micro Glass-body pH Electrode** 300736.1  
 For pH measurements in narrow containers, test tubes and labware. Body diameter 0.20" (5mm), pH 0 to 14 low resistance glass, 3M KCl refillable reference system, BNC connector.

**F. Flat-Surface pH Electrode** 300737.1  
 For pH measurements of small volumes or surfaces such as meats, cheese, leather or agar. Glass-body gel-filled sealed reference, pH 2 to 13 low resistance glass, temp. range -5°C to 50°C, BNC connector.

**G. Plastic-body Gel-filled pH Electrode** 300735.1  
 Low-maintenance, gel-filled reference with fiber junction, built-in bulb protector, pH 0 to 14 low resistance glass, temperature range -5°C to 80°C, BNC connector.

**H. Automatic Temperature Compensating Probe** 300733.1  
 For temperature measurement. Fast response stainless steel body, 0.2" (4.7mm) diameter, 4.7" (120mm) length. With 2.5mm phone plug connector.

**I. Conductivity Cells**  
 Four-band platinum band conductivity cells offer better linearity and improved accuracy, built-in temperature, plastic body, 12mm diameter, Removable outer body for cleaning. Multi-pin connector for Denver 200 Series meters.

|  |          |
|--|----------|
| 0.5 cm <sup>-1</sup> (Range 0.5 - 2,000 μS)    | 301046.1 |
| 1 cm <sup>-1</sup> . (Range 10 - 5,000 μS)     | 301047.1 |
| 10 cm <sup>-1</sup> (Range 1,000 - 200,000 μS) | 301048.1 |

**J. Multi-Sense Conductivity/pH/ATC Cell** 301058.1  
 Includes a two-band platinum conductivity cell, combination pH electrode with gelled reference and an ATC temperature sensor. Plastic body, standard 12mm diameter and 120mm length. Cell constant 1.0 cm<sup>-1</sup>. BNC and multi-pin connectors for Denver 200 Series meters.



# Ion-Selective Electrodes

## K. Fluoride, Chloride and Silver/Sulfide Electrodes

Membranes are LaF<sub>3</sub> single crystal membrane (F<sup>-</sup>), solid-state Ag<sub>2</sub>S/AgCl (Cl<sup>-</sup>) or solid-state Ag<sub>2</sub>S (Ag<sup>+</sup>/S<sup>2-</sup>), refillable references are single junction (F<sup>-</sup>) or double junction (Cl<sup>-</sup> and Ag<sup>+</sup>/S<sup>2-</sup>) with high flow rate plastic sleeve junctions for accurate measurements, durable epoxy body, BNC connector.

|                                |          |
|--------------------------------|----------|
| Fluoride Combination ISE       | 300739.1 |
| Chloride Combination ISE       | 300742.1 |
| Silver/Sulfide Combination ISE | 300762.1 |

## L. Nitrate, Potassium and Calcium Electrodes

Solvent-polymer PVC membrane technology. Built-in refillable reference electrodes are single junction (Ca<sup>++</sup>) or double junction (NO<sub>3</sub><sup>-</sup> and K<sup>+</sup>) with high flow rate plastic sleeve junctions, durable epoxy body, BNC connector.

|                           |          |
|---------------------------|----------|
| Nitrate Combination ISE   | 300743.1 |
| Potassium Combination ISE | 300744.1 |
| Calcium Combination ISE   | 300745.1 |

## M. Sodium Electrode

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

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|------------------------|----------|
| Sodium Combination ISE | 300741.1 |
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## N. Combination ORP Electrode

Measure ORP (Oxidation Reduction Potential, or Redox Potential) in samples such as industrial waters. Ag/AgCl reference with ceramic junction, large area platinum disc sensing element, BNC connector.

|                             |          |
|-----------------------------|----------|
| ORP (Redox) Combination ISE | 300746.1 |
|-----------------------------|----------|

## O. Ammonia Electrode

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

|                                |          |
|--------------------------------|----------|
| Ammonia ISE                    | 300740.1 |
| Replacement membranes (4/pack) | 301252.1 |

# Accessories

## A. Free-Standing Electrode Support

|                                |          |
|--------------------------------|----------|
| UltraBasic and Basic pH Meters | 300401.1 |
|--------------------------------|----------|

## Replacement Electrode Arms (not shown)

|                   |          |
|-------------------|----------|
| UltraBasic Meters | 301324.1 |
| Models 215 - 270  | 301325.1 |

## RS-232-C Interface Cables 200 Series Meters (not shown)

|                                      |            |
|--------------------------------------|------------|
| Meter to DB-25S (25 pin serial port) | 77811089.1 |
| Meter to DB-9S (9 pin serial port)   | 601433.1   |

## B. Thermal Printer Kit

Features 4" print area, 28k buffer, graphics capability, parallel and serial ports. Complete with interface cable and 1 roll of printer paper.

|   |          |
|---|----------|
| For 200 Series Meter                          | 901543.1 |
| Thermal Printer Paper 4.4" Width (1 roll/pkg) | 901550.1 |

## Collect XL Software® (not shown)

Connect the 200 Series Meter to your PC for direct input of real-time data into spreadsheets

|                     |          |
|---------------------|----------|
| CollectXL Software™ | 902242.1 |
|---------------------|----------|

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