

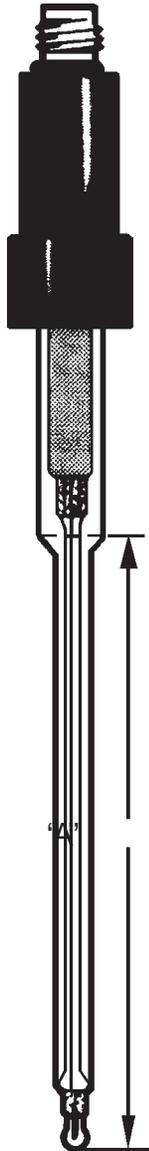
MICRO AUTOCLAVABLE ELECTRODES

2/07



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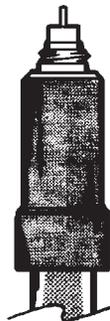
This series of miniature stem, sterilizable, combination pH and redox electrodes are designed for small benchtop fermentors and culture apparatus. To conserve space, the electrode is constructed with a 6mm O.D. immersion shaft. When compared to the standard 12mm type, it is relatively small, making it desirable for shallow culture flasks and fermentors.



DL Electrode Plug Head

The immersion "A" length of the electrode can be ordered from 25mm to 300mm.

The electrode can withstand steam sterilization up to 130°C and features the pHoenix detachable cable assembly which is detached during autoclaving.



K9 Electrode Plug Head

Electrodes are available with a double junction reservoir. The double junction reference reservoir is recommended, in most cases, for long term stability and life expectancy. A double electrolyte bridge eliminates poisoning caused by the presence of certain ions such as sulfide. Sulfide reacts with silver, forming silver sulfide deposits in the reference junction. The electrode is constructed with an annular ceramic reference junction, concentric with the pH bulb. This eliminates clogging problems that normally occur in most electrodes used in fermentation.

The electrodes are designed to fit all 12mm and 6mm electrode holders or rubber stoppers used in benchtop fermentors.

When ordering, specify immersion length "A", the distance from the point of penetration inside the vessel to the tip of the probe.

A detachable electrode cable must be ordered separately.

SPECIFICATIONS

ELECTRODES:

pH Electrodes:

A573702-"A"-DL	Combination refillable pH electrode, pHoenix detachable connector, 6mm O.D. stem, -5° to 130°C, 0 to 13 pH.
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Sealed Type pH Electrodes:

S573701-"A"-DL	Combination sealed pH electrode, pHoenix detachable connector, 6mm O.D. stem, -5° to 130°C, 0 to 13 pH.
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Redox Electrodes:

A579861-"A"-DL	Combination refillable redox electrode, pHoenix detachable connector, 6mm O.D. stem, -5° to 130°C.
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Sealed Type Reox Electrodes:

SA79861-"A"-DL	Combination sealed redox electrode, pHoenix detachable connector, 6mm O.D. stem, -5° to 130°C.
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DETACHABLE LEADS AND ACCESSORIES:

Electrolyte Solutions:

R001026	Reference A. High-temperature gelled 3M KCl saturated with AgCl for Ag/AgCl reference chamber. 125 ml.
R001027	Reference B. High-temperature gelled 3M KCl for electrolyte bridges. 125 ml.
R001028	KNO ₃ . High-temperature gelled 1M KNO ₃ for electrolyte bridges. 125 ml.
M000082	30 cc syringe. For filling electrode with electrolyte.
M060083	Connector cap for detachable electrode.
M060084	Protective cap for detachable electrode lead.

Detachable Electrode Leads:

9001071-003	Detachable lead for DL series electrodes, 3-foot miniature coaxial low-noise cable.
9001071-010	Detachable lead for DL series electrodes, 10-foot miniature coaxial low-noise cable.
9001071-020	Detachable lead for DL series electrodes, 20-foot miniature coaxial low-noise cable.

Determine cable length and pH meter connector type (i.e. 9001071-010B, 10 foot cable with BNC connector.)

Connector Types:

- | | |
|------------------|-----------------|
| A. U.S. Standard | I. DIN |
| B. BNC | T. No Connector |
| C. Radiometer | |

**FOR ADDITIONAL PRODUCT INFORMATION,
CALL 713/772-6641 OR 800/522-7920
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www.VL-PC.com**

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