

Liq-Glass™ Family

- Robust, combination pH electrode for daily laboratory use
- Universally applicable, in strong acids as well as in strong bases
- Ideally suited for acid/base titrations
- Serial number, certificate

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | -10 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |



Liq-Glass

REF 238000

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |



Liq-Glass BNC

REF 238180

| | |
|-----------------------|-------------------------------|
| Temperature sensor | No |
| Electrical connection | 1m cable with BNC or DIN plug |

Liq-Glass DIN

REF 238185



Liq-Glass Temp BNC/Cinch

REF 242055

Liq-Glass Temp BNC

REF 242056

Liq-Glass Temp DIN

REF 238406

Liq-Glass Temp Lemo

REF 242054

| | |
|-----------------------|---|
| Temperature sensor | NTC 30 kOhm (REF 238406, 242055) Pt1000 (REF 242054, 242056) |
| Electrical connection | |
| | REF 242055 1m BNC cable/1 x cinch plug |
| | REF 242056 1m BNC cable / 1 x 4 mm banana plug |
| | REF 238406 1m DIN cable/1 x 4 mm banana plug |
| | REF 242054 1m LEMO cable/2 x 2 mm banana plug (2 adapters for 4 mm banana plug incl.) |

- Highest accuracy and fast response time thanks to the patented Single Pore
- Robust design for easy cleaning
- Wide applicability, use for emulsions, ion-weak media or general laboratory applications
- Reported by PTB to be the most accurate laboratory electrode tested
- Minimal alkali error
- Serial number, certificate

| Specifications | |
|------------------|---------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | Skylyte™ -CL (refillable) |
| Shaft material | Glass |
| Liquid junction | Single Pore |
| Reference system | Everef |



Single Pore Glass

REF 238160

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

Polilyte Lab Family

- Maintenance-free, robust, combination pH electrode that is easy to use
- Universally applicable; well suited for measurements in emulsions and suspensions
- Thanks to the Single Pore, clogging of the liquid junction is impossible
- Serial number, certificate

pH



Polilyte Lab

REF 238403

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | -10 to 80°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Glass |
| Liquid junction | Single Pore |
| Reference system | Everef-B |

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

pH



Polilyte Lab Temp BNC/Cinch

REF 242059

Polilyte Lab Temp BNC

REF 242060

Polilyte Lab Temp DIN

REF 242058

Polilyte Lab Temp Lemo

REF 242062

| | |
|-----------------------|---|
| Temperature sensor | NTC 30 kOhm (REF 242058, 242059) Pt1000 (REF 242060, 242062) |
| Electrical connection | |
| | REF 242059 1m BNC cable/1 x cinch plug |
| | REF 242060 1m BNC cable / 1 x 4 mm banana plug |
| | REF 242058 1m DIN cable/1 x 4 mm banana plug |
| | REF 242062 1m LEMO cable/2 x 2 mm banana plug (2 adapters for 4 mm banana plug incl.) |

ELECTRODES FOR SPECIAL LABORATORY APPLICATIONS

- Easy-to-clean, combination glass electrode with sleeve diaphragm
- Ideally suited for viscous samples, ion-weak media or media containing protein (e.g., cosmetics)
- For samples containing protein, the electrolyte should be replaced with Protelyte™ (Ref 238038)
- Serial number, certificate

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | -10 to 80°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Sleeve diaphragm |
| Reference system | Everef |

pH



FlushTrode™

REF 238060

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- pH electrode with 6 mm shaft diameter; for measurements in test tubes
- Universally applicable, even in strong acids as well as in normal laboratory use
- Long-term stable Everef system
- Serial number, certificate

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |

pH



SlimTrode™

REF 238150

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Robust pH electrode with plastic shaft
- Multiple applications, thanks to its flat membrane (e.g., for viscous media)
- Easy to clean
- The ring diaphragm prevents clogging
- Serial number, certificate

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Plastic |
| Liquid junction | Ring diaphragm |
| Reference system | Everef |



FillTrode™
REF 242064

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Maintenance-free, excellent value pH electrode for less rigorous applications
- Serial number, certificate

| Specifications | |
|------------------|------------------------|
| pH | 0 to 14 |
| Temperature | -10 to 60°C |
| Electrolyte | Gel (maintenance-free) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Ag/AgCl |



Gel-Glass™
REF 238025

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Combination pH electrode for measurements in very small volumes (e.g., microtiter plates)
- Ideally suited for solutions containing protein as Protelyte prevents clogging of the diaphragm
- Long-term stable Everef system
- Requires an immersion depth of only 7 mm
- Serial number, certificate
- 3 mm shaft diameter

| Specifications | |
|------------------|------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | Protelyte (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |



BioTrode™
REF 238140

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Combination pH electrode for measurements in very small volumes (e.g., vials)
- Long-term stable Everef system
- Requires an immersion depth of only 7 mm
- Serial number, certificate
- 3 mm shaft diameter

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |



MiniTrode™
REF 238100

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Combination pH electrode for measurements in very small volumes, e.g. NMR tubes
- Long-term stable Everef system
- Requires an immersion depth of only 7 mm
- Serial number, certificate

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |



SpinTrode™
REF 238197

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- pH electrode with a true flat membrane for measurements of surfaces, e.g. paper, agar plates
- Robust plastic shaft and ring diaphragm
- Ring diaphragm guarantees quick response time because of enhanced contact between sample and reference
- Long-term stable Everef system
- Serial number, certificate

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Plastic |
| Liquid junction | Ring diaphragm |
| Reference system | Everef |



FlaTrode™
REF 238401

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

ELECTRODES FOR FOODSTUFF APPLICATIONS

- Robust combination pH electrode for measurements in media containing proteins
- 3 ceramic diaphragms guarantee quick and accurate measurements
- Easy to clean
- Long-term stable thanks to Everef system
- Serial number, certificate

| Specifications | |
|------------------|------------------------|
| pH | 0 to 14 |
| Temperature | -10 to 100°C |
| Electrolyte | Protelyte (refillable) |
| Shaft material | Glass |
| Liquid junction | 3 ceramic diaphragms |
| Reference system | Everef |



FoodTrode™
REF 238285

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Maintenance-free combination pH puncture electrode
- Pointed tip, especially for use with solid and semisolid samples
- Ideally suited for measurements in meat and cheese
- 2 Single Pores make clogging of the liquid junction impossible
- Serial number, certificate

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Glass |
| Liquid junction | 2 Single Pores |
| Reference system | Ag/AgCl |



Double Pore™
REF 238400

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

- Refillable combination pH puncture electrode
- Pointed membrane tip, especially for use with solid and semisolid samples
- Long-term, stable Everef system
- Serial number, certificate

| Specifications | |
|------------------|------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 100°C |
| Electrolyte | Protelyte (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |

pH



TipTrode™
REF 238080

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

Polyplast™ Family

- Robust maintenance-free, combination pH electrode
- Shatter-proof plastic shaft
- Excellent for water and sewage
- Serial number, certificate

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Plastic |
| Liquid junction | Single Pore |
| Reference system | Ag/AgCl |

pH



Polyplast
REF 238380

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

pH



Polyplast BNC
REF 238381

| | |
|-----------------------|------------------------|
| Temperature sensor | No |
| Electrical connection | 1m cable with BNC Plug |

pH



Polyplast Temp BNC/Cinch

REF 242051

Polyplast Temp BNC


REF 242050

Polyplast Temp DIN

REF 238404

Polyplast Temp Lemo

REF 242052

| | |
|--|---|
| Temperature sensor | NTC 30 kOhm (Ref 238404, 242051) Pt 1000 (Ref 242050, 242052) |
| Electrical connection | |
|  | Ref 242051 1m BNC cable/1 x cinch plug |
|  | Ref 242050 1m BNC cable / 1 x 4 mm banana plug |
|  | Ref 238404 1m DIN cable/1 x 4 mm banana plug |
|  | Ref 242052 1m LEMO cable/2 x 2 mm banana plug (2 adapters for 4 mm banana plug incl.) |

ELECTRODES FOR PORTAMESS® EQUIPMENT

These “K” electrodes are especially well suited for Knick® Portamess® equipment. The electrode head creates a hermetic seal with the Portamess® storage tube.

- Combination electrode for daily laboratory use with glass shaft
- Universally applicable, even in strong acids as well as strong bases
- Serial number, certificate

| Specifications | |
|------------------|---------------------|
| pH | 0 to 14 |
| Temperature | -10 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | Ceramic diaphragm |
| Reference system | Everef |

pH



Liq-Glass K Temp DIN

REF 242068

| | |
|-----------------------|---|
| Temperature sensor | Pt1000 |
| Electrical connection | 1m cable + DIN plug/1 x 4mm banana plug |

- Robust plastic shaft
- Ideally suited for field measurements
- Clog-free Single Pore guarantees quick and reliable measurements
- Serial number, certificate

| Specifications | |
|------------------|------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Plastic |
| Liquid junction | Single Pore |
| Reference system | Ag/AgCl |

pH



Polyplast K Temp DIN

REF 242070

| | |
|-----------------------|---|
| Temperature sensor | Pt1000 |
| Electrical connection | 1m cable + DIN plug/1 x 4mm banana plug |

- Robust PEEK shaft
- Smallest possible surface sample contact with glass
- Ideally suited for measurements of solid and semisolid samples (e.g., cheese, meat)
- 2 Single Pores make clogging of the liquid junction impossible
- Serial number, certificate

pH



Double Pore K

REF 242066

| Specifications | |
|------------------|---------------------------------|
| pH | 0 to 14 |
| Temperature | 0 to 60° C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | PEEK (high-performance plastic) |
| Liquid junction | 2 Single Pores |
| Reference system | Ag/AgCl |

| | |
|-----------------------|---------------------|
| Temperature sensor | No |
| Electrical connection | 1m cable + DIN plug |

- Robust combination ORP electrode for all usual ORP measurements in the laboratory
- Universally applicable, in strong acids as well as in strong bases
- Long-term stable Everef system
- Serial number, certificate

ORP



Liq-Glass ORP

REF 238145

| Specifications | |
|------------------|----------------------|
| Redox | ± 2000 mV |
| Temperature | -10 to 100°C |
| Electrolyte | 3M KCl (refillable) |
| Shaft material | Glass |
| Liquid junction | 3 ceramic diaphragms |
| Reference system | Everef |

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

ELECTRODES FOR ORP MEASUREMENT

Polyplast ORP Family

- Robust, maintenance-free, combination ORP electrode
- Shatter-proof plastic shaft
- Excellent for water and sewage
- Serial number, certificate

ORP



Polyplast ORP

REF 238385

| Specifications | |
|------------------|------------------------------|
| Redox | ± 2000 mV |
| Temperature | 0 to 60°C |
| Electrolyte | Polisolve (maintenance-free) |
| Shaft material | Plastic |
| Liquid junction | Single Pore |
| Reference system | Ag/AgCl |

| | |
|-----------------------|-------------------|
| Temperature sensor | No |
| Electrical connection | S7 connector head |

ORP



Polyplast ORP BNC

REF 238384

| | |
|-----------------------|------------------------|
| Temperature sensor | No |
| Electrical connection | 1m cable with BNC plug |