

Laboratory Electrodes, Schott-Instruments

Laboratory electrodes

- | Article | Order No. |
|---|---------------------|
| ① BlueLine 11 pH | 61 27 29114 |
| pH combination electrode with glass stem, Silamid® reference system and plug head, matching cable combination: LB 1A. | |
| Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. | |
| -5 to 100°C: | 0 to 14pH |
| Temperature sensor: | no |
| Length/Ø: | 120 mm/12 mm |
| Electrolyte: | liquid, KCl 3 mol/l |
| Diaphragm: | platinum |
| Membrane resistance at 25°C: | 300 M Ω |
| Refilling opening closed by: | sliding plug |
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- | Article | Order No. |
|--|-------------|
| ② BlueLine 12 pH with fixed cable | 61 27 29122 |
| Same as BlueLine 11 pH, except with fixed cable 1 m/3 mm and DIN plug. | |
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- | Article | Order No. |
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| ③ BlueLine 13 pH for low-ion media | 61 27 29139 |
| pH combination electrode with glass stem, Silamid® reference system and plug head, matching cable combination: LB 1A. | |
| Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. Specially for low-ion media. | |
| -5 to 100°C: | 0 to 14 pH |
| Temperature sensor: | no |
| Length/Ø: | 170 mm/12 mm |
| Electrolyte: | liquid, KCl 3 mol/l |
| Diaphragm: | ground |
| Membrane resistance at 25°C: | 300 M Ω |
| Refilling opening closed by: | sliding plug |
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- | Article | Order No. |
|---|---------------------|
| ④ BlueLine 14 pH with temperature probe NTC | 61 27 29147 |
| pH combination electrode with glass stem, Silamid® reference system and fixed cable 1 m/5 mm, DIN plug and 4 mm banana plug | |
| Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. | |
| -5 to 100°C: | 0 to 14 pH |
| Temperature sensor: | NTC 30 kΩ |
| Length/Ø: | 120 mm/12 mm |
| Electrolyte: | liquid, KCl 3 mol/l |
| Diaphragm: | platinum |
| Membrane resistance at 25°C: | 300 M Ω |
| Refilling opening closed by: | sliding plug |
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- | Article | Order No. |
|--|-------------|
| ⑤ BlueLine 18 pH with temperature probe Pt 1000 | 61 27 29188 |
| Same as BlueLine 14 pH, except with temperature probe Pt 1000. | |
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- | Article | Order No. |
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| ⑥ BlueLine 16 pH Micro | 61 27 29163 |
| Micro pH combination electrode with glass stem, Silamid® reference system and plug head, matching cable combination: LB 1A. | |
| Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. Ideal for small sample volumes. | |
| -5 to 100°C: | 0 to 14 pH |
| Temperature sensor: | no |
| Length/Ø: | 40/80 mm//12/5 mm |
| Electrolyte: | liquid, KCl 3 mol/l |
| Diaphragm: | platinum |
| Membrane resistance at 25°C: | 300 M Ω |
| Refilling opening closed by: | sliding plug |
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- | Article | Order No. |
|---|----------------------|
| ⑦ BlueLine 21 pH Insertion | 61 27 29217 |
| pH combination electrode with glass stem, Silamid® reference system, spear membrane and plug head, matching cable combination: LB 1A. | |
| Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. Ideal for penetration measurements in semi-hard media. | |
| -5 to 80°C: | 2 to 13 pH |
| Temperature sensor: | no |
| Length/Ø: | 65/25 mm//12/5 mm |
| Electrolyte: | Referid® |
| Diaphragm: | hole |
| Membrane resistance at 25°C: | 300 M Ω |
| Refilling opening closed by: | no refilling opening |



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Article	Order No.
⑧ BlueLine 22 pH with plastic shaft	61 27 29225
pH combination electrode with plastic stem, Silamid® reference system and plug head, matching cable combination: LB 1A.	
Applications: general purpose use e.g. in the chemical and food industry, and in the water and waste water sector.	
-5 to 80°C:	0 to 14 pH
Temperature probe:	no
Length/dia.:	120 mm/12 mm
Electrolyte:	gel
Diaphragm:	fibre
Membrane resistance at 25°C:	300 M Ω
Refilling opening closed by:	no refilling opening



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Article	Order No.
BlueLine 23 pH	61 27 29233
Same as BlueLine 22 pH, except with fixed cable 1 m/3 mm and DIN plug.	

Article	Order No.
BlueLine 24 pH with temperature probe NTC	61 27 29241
pH combination electrode with plastic stem, Silamid® reference system and fixed cable 1 m/5 mm, DIN plug and 4 mm banana plug.	
Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry, and in the water and waste water sector.	

-5 to 80°C:	0 to 14 pH
Temperature probe:	NTC 30 kΩ
Length/dia.:	120 mm/12 mm
Electrolyte:	gel
Diaphragm:	fibre
Membrane resistance at 25°C:	300 M Ω
Refilling opening closed by:	no refilling opening

Article	Order No.
BlueLine 25 pH with fixed cable	61 27 29258
Same as BlueLine 22 pH, except with fixed cable 1 m/3 mm and BNC plug.	

Article	Order No.
BlueLine 26 pH with temperature probe NTC	61 27 29266
Same as BlueLine 24 pH, except with BNC plug	

Article	Order No.
⑨ BlueLine 28 pH with temperature probe Pt 1000	61 27 29282
Same as BlueLine 24 pH, except with temperature probe Pt 1000.	

Article	Order No.
⑩ BlueLine 27 pH	61 27 29274

pH combination electrode with glass stem, Silamid® reference system and plug head, matching cable combination: LB 1A.
Applications: general purpose use e.g. in the chemical, pharmaceutical and food industry. Ideal for measurements on surfaces.

-5 to 50°C:	2 to 13 pH
Temperature probe:	no
Length/dia.:	120 mm/12 mm
Electrolyte:	Referid®
Diaphragm:	annular gap
Membrane resistance at 25°C:	400 M Ω
Refilling opening closed by:	no refilling opening



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Article	Order No.
⑪ BlueLine 31 RX	61 27 29311

Redox combination electrode with glass stem, Silamid® reference system and plug head, matching cable combination: LB 1A.
Applications: general purpose use e.g. chemical and food industry.

-5 to 100°C	
Sensor:	Pt disk
Temperature probe:	no
Length/dia.:	120 mm/12 mm
Electrolyte:	liquid, KCl 3 mol/l
Diaphragm:	ceramic
Refilling opening closed by:	sliding plug



Accessories

12 Electrolyte solutions, test solutions

For topping up or replacing the reference electrolyte. Packed in 250 ml DURAN® bottles. Redox test solutions available on request.

Article	Order No.
2 mol/l KNO_3 + 0,001 mol/l KCl	61 27 38349
3 mol/l KCl	61 27 38427

Buffer solutions

Sterilized with hot steam. With individual batch number. No conserving additives.

Article	Order No.
pH 4.00 250 ml DURAN® bottle	61 27 38032
pH 7.00 250 ml DURAN® bottle	61 27 38049
pH 10.00 250 ml DURAN® bottle	61 27 38057

Buffer solution set

Calibration set for pH measurements. The set contains 20 ampoules à 20 ml with pH 4.00, 7.00 and 10.00 (at 25°C).

Article	Order No.
Buffer set L 4698	61 27 38192

13 Electrode stand and holder

Stand: 10 mm dia. rod, made of V4A stainless steel. Electrode holder for two electrodes with a stem diameter of 12 mm. Made of chemically resistant polysulfone and V4A stainless steel.

Article	Order No.
Electrode stand Z 351	61 27 23128
Electrode holder Z 331	61 27 23082

Cable combination LB 1 A

For BlueLine pH electrodes. Acc. to DIN 19262. 1 m long, 3 mm in diameter.

Article	Order No.
Cable combination LB 1 A	61 27 22653

