

BlueLine pH combination electrodes

The robust electrodes for general applications

pH range	0...14
Temperature range	-5...+80 °C
Shaft	Noryl, 12 mm Ø
Shaft length L	120 mm
Zero point	pH = 7.0 ± 0.3
Diaphragm	fibre
Reference system	Ag/AgCl
Reference electrolyte	gel (KCl), low maintenance, not refillable
Shape of glass membrane	cylindrical
Resistance of glass membrane (25 °C)	400 MΩ
Type of membrane glass	A

The liquid electrolyte electrodes for demanding measurements

pH range	0...14
Temperature range	-5...+100 °C
Shaft	glass, 12 mm Ø
Shaft length L L	120 mm
Zero point	pH = 7.0 ± 0.3
Diaphragm	platinum
Reference system	Ag/AgCl
Reference electrolyte	KCl 3 mol/l
Shape of glass membrane	conical
Resistance of glass membrane (25 °C)	200 MΩ
Type of membrane glass	A



BlueLine	BlueLine
28 pH	18 pH
22 pH	11 pH
23 pH	12 pH
23-2 pH	14 pH
23-5 pH-S	14 pH ID
24 pH	15 pH
24-3 pH	15 pH ID
25 pH	15 pH Cinch
25-2 pH	17 pH
25-5 pH	17 pH-R
26 pH	19 pH
26 pH-Cinch	
28 pH-P	
28-5 pH	
29 pH	
29 pH-P	

BlueLine

Order No.	BlueLine Type No.	Temperature sensor integrated	Connection
285129225	22 pH	no	plug head, recommended cable: e.g. LB1A
285129233	23 pH	no	1 m fixed cable with DIN plug 19 262
1063462	23-2 pH	no	2 m fixed cable with DIN plug
1066411	23-5 pH-S	no	5 m fixed cable with S plug
285129241	24 pH	NTC 30 k Ω	1 m fixed cable with DIN plug 19 262 + banana plug
285129533	24-3 pH	NTC 30 k Ω	3 m fixed cable with DIN plug 19 262 + banana plug
285129258	25 pH	no	1 m fixed cable with BNC plug
1063461	25-2 pH	no	2 m fixed cable with BNC plug
285129540	25-5 pH	no	5 m fixed cable with BNC plug
285129266	26 pH	NTC 30 k Ω	1 m fixed cable with BNC plug + banana plug
285095712	26 pH-Cinch	NTC 30 k Ω	1 m fixed cable with BNC plug + cinch plug
285129282	28 pH	Pt 1000	1 m fixed cable with DIN plug 19 262 + banana plug
1065896	28 pH-P	Pt 1000	1 m fixed cable with DIN plug 19 262 + 2-mm pole plug
285129570	28-5 pH	Pt 1000	5 m fixed cable with DIN plug 19 262 + banana plug
1065895	29 pH	Pt 1000	1 m fixed cable with BNC plug + banana plug
1065894	29 pH-P	Pt 1000	1 m fixed cable with BNC plug + 2-mm pole plug

Order No.	BlueLine Type No.	Temperature sensor integrated	Connection
285129114	11 pH	no	plug head, recommended cable: e.g. LB1A
285129122	12 pH	no	1 m fixed cable with DIN plug 19 262
285129147	14 pH	NTC 30 k Ω	1 m fixed cable with DIN plug 19 262 + banana plug
285129440	14 pH ID	NTC 30 k Ω	1 m fixed cable with DIN plug + 4-mm banana plug, ID function
285129155	15 pH	NTC 30 k Ω	1 m fixed cable with BNC plug + banana plug
285129450	15 pH ID	NTC 30 k Ω	1 m fixed cable with BNC plug + 4-mm banana plug, ID function
285095730	15 pH Cinch	NTC 30 k Ω	1 m fixed cable with BNC plug + cinch plug
285129171	17 pH	no	1 m fixed cable with BNC plug
1064746	17 pH-R	no	1 m fixed cable with Metrohm plug
285129188	18 pH	Pt 1000	1 m fixed cable with DIN plug 19 262 + banana plug
285129190	19 pH	Pt 1000	1 m fixed cable with BNC plug + banana plug

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BlueLine

Special sensors

The specialists
for special applications

Zero point of
pH electrodes

pH = 7.0 ± 0.3

Connection cable
for pH/Redox
electrodes

e.g. LB 1 A



BlueLine
13 pH

BlueLine
16 pH

BlueLine
21 pH

BlueLine
27 pH

BlueLine
31 Rx

BlueLine
32 Rx

BlueLine
48 LF

21 pH 1M
DIN ID

27 pH 1M
BNC ID

BlueLine

Precision electrode BlueLine 13 pH	Glass shaft, screw ground joint diaphragm, electrolyte KCl 3 mol/l, Ag/AgCl reference system, spherical membrane, A-glass, plug head, length 170 mm, 12 mm Ø, -5 ... +100 °C, 0 ... 14pH, Order No. 285129139
Micro electrode BlueLine 16 pH	Glass shaft, platinum diaphragm, electrolyte KCl 3 mol/l, Ag/AgCl reference system, spherical membrane, L-glass, plug head, length 40/80 mm, 12/5 mm Ø, -5 ... +100 °C, 0 ... 14pH, Order No. 285129163
Spear tip electrode BlueLine 21 pH	Glass shaft, hole diaphragm, Referid® electrolyte, Ag/AgCl reference system, Spear membrane, L-glass, plug head, length 65/25 mm, 12/5 mm Ø, -5 ... +80 °C, 2 ... 13pH, Order No. 285129217
Spear tip electrode with sensor recognition BlueLine 21 pH 1M-DIN-ID	Glass shaft, hole diaphragm, Referid® electrolyte, Ag/AgCl reference system, Spear membrane, L-glass, 1 m fixed cable with DIN plug and sensor recognition, length 65/25 mm, 12/5 mm Ø, -5...+80 °C, 2...13 pH Order No. 285129930
Spear tip electrode with sensor recognition BlueLine 21 pH 1M-BNC-ID	Glass shaft, hole diaphragm, Referid® electrolyte, Ag/AgCl reference system, Spear membrane, L-glass, 1 m fixed cable with BNC plug and sensor recognition, length 65/25 mm, 12/5 mm Ø, -5...+80 °C, 2...13 pH Order No. 285129940
Surface electrode BlueLine 27 pH	Glass shaft, KPG® annular gap diaphragm, Referid® electrolyte, Ag/AgCl reference system, flat membrane, L-glass, plug head, length 120 mm, 12 mm Ø, -5 ... +50 °C, 2 ... 13pH, Order No. 285129274
Surface electrode with sensor recognition BlueLine 27 pH 1M-DIN-ID	Glass shaft, KPG® annular gap diaphragm, Referid® electrolyte, Ag/AgCl reference system, flat membrane, L-glass, 1 m fixed cable with DIN plug and sensor recognition, length 120 mm, 12 mm Ø, -5...+50 °C, 2...13 pH Order No. 285129950
Surface electrode with sensor recognition BlueLine 27 pH 1M-BNC-ID	Glass shaft, KPG® annular gap diaphragm, Referid® electrolyte, Ag/AgCl reference system, flat membrane, L-glass, 1 m fixed cable with BNC plug and sensor recognition, length 120 mm, 12 mm Ø, -5...+50 °C, 2...13 pH Order No. 285129960
Redox electrode BlueLine 31 Rx	Glass shaft, ceramic diaphragm, electrolyte KCl 3 mol/l, Ag/AgCl reference system, sensor platinum disk 4 mm Ø, plug head, length 120 mm, 12 mm Ø, -5 ... +100 °C, Order No. 285129311
Redox electrode BlueLine 32 Rx	Plastic shaft, fibre diaphragm, gel electrolyte, Ag/AgCl reference system, sensor platinum pin 1 mm Ø, plug head, length 120 mm, 12 mm Ø, -5 ... +80 °C, Order No. 285129320
Conductivity cell for low ionic media BlueLine 48 LF	Stainless steel shaft, 2-pin cell, 1 m fixed cable with 8-pole plug, sensor stainless steel, cell constant 0.1 cm ⁻¹ , temperature sensor NTC 30 kΩ, length 120 mm, 12 mm Ø, -5 ... +80 °C, measuring range 0 ... 300 μS/cm, Order No. 285129488