

IoLine pH combination electrodes

pH combination electrodes

Reference system: iodine/iodide
Zero point: pH = 7,00 ± 0.25
pH range: 0 ... 14
Temp. range: -5 ... 100 °C
Shaft material: glass

A IL-pH-A120-MF
 IL-pH-A120

B IL-pH-A170-MF
 IL-pH-A170

C IL-pH-A120-MF-DIN
 IL-pH-A120-DIN
 IL-pH-A120-MF-BNC
 IL-pH-A120-BNC

D IL-pH-A170-MF-DIN
 IL-pH-A170-DIN
 IL-pH-A170-MF-BNC
 IL-pH-A170-BNC

E IL-Micro-pH-A
 IL-Micro-pH-A-DIN
 IL-Micro-pH-A-BNC

F IL-SP-pH-A
 IL-SP-pH-A-DIN
 IL-SP-pH-A-BNC

Glossary

IL	IoLine
Micro	micro pH electrode for measuring in small sample vessels
SP	spear tip pH electrode for measuring in solid and semi-solid samples
pH	pH combination electrodes
pHT	pH combination electrodes with temperature sensor
A	A-type membrane glass
H	H-type membrane glass
120	120 mm overall length
170	170 mm overall length
MF	platinum diaphragm (multi-flow)
DIN	DIN instrument plug
BNC	BNC instrument plug
N	4 mm banana plug
CI	cinch plug



Type No.	Order No.	Length L [mm]	Ø [mm]	Dia- phragm	Membrane glass	Membrane glass resistance	Membrane shape	Connection	Appli- cation	Shape
IL-pH-A120MF	285114140	120	12	platinum	A	200 MΩ	sphere	Screw plug head S7	■	A
IL-pH-A120	285114150	120	12	ceramic	A	200 MΩ	sphere	Screw plug head S7	■	A
IL-pH-A170MF	285114180	170	12	platinum	A	200 MΩ	sphere	Screw plug head S7	■	B
IL-pH-A170	285114190	170	12	ceramic	A	200 MΩ	sphere	Screw plug head S7	■	B
IL-pH-A120MF-DIN	285113810	120	12	platinum	A	200 MΩ	sphere	DIN ¹⁾	■	C
IL-pH-A120-DIN	285113820	120	12	ceramic	A	200 MΩ	sphere	DIN ¹⁾	■	C
IL-pH-A120MF-BNC	285114160	120	12	platinum	A	200 MΩ	sphere	BNC ¹⁾	■	C
IL-pH-A120-BNC	285114170	120	12	ceramic	A	200 MΩ	sphere	BNC ¹⁾	■	C
IL-pH-A120MF-R	285114410	120	12	platinum	A	200 MΩ	sphere	Metrohm plug ¹⁾	■	C
IL-pH-A170MF-DIN	285113830	170	12	platinum	A	200 MΩ	sphere	DIN ¹⁾	■	D
IL-pH-A170-DIN	285113840	170	12	ceramic	A	200 MΩ	sphere	DIN ¹⁾	■	D
IL-pH-A170MF-BNC	285114340	170	12	platinum	A	200 MΩ	sphere	BNC ¹⁾	■	D
IL-pH-A170-BNC	285114350	170	12	ceramic	A	200 MΩ	sphere	BNC ¹⁾	■	D
IL-pH-A170MF-R	285114420	170	12	platinum	A	200 MΩ	sphere	Metrohm plug ¹⁾	■	D
IL-MICRO-pH-A	285114280	170 (130/40)	12/6	platinum	A	400 MΩ	cylindrical	Screw plug head S7	■	E
IL-MICRO-pH-A-DIN	285113930	170 (130/40)	12/6	platinum	A	400 MΩ	cylindrical	DIN ¹⁾	■	E
IL-MICRO-pH-A-BNC	285114290	170 (130/40)	12/6	platinum	A	400 MΩ	cylindrical	BNC ¹⁾	■	E
IL-SP-pH-A	285114320	120 (50/70)	12/8	ceramic	A	400 MΩ	spear	Screw plug head S7	■	F
IL-SP-pH-A-DIN	285113940	120 (50/70)	12/8	ceramic	A	400 MΩ	spear	Screw plug head S7	■	F
IL-SP-pH-A-BNC	285114330	120 (50/70)	12/8	ceramic	A	400 MΩ	spear	Screw plug head S7	■	F

- general applications,
low ion media
- small sample quantities
- insert measurement

¹⁾ with 1 m fixed cable

IoLine pH combination electrodes with temperature sensor

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- A IL-pHT-A120MF-DIN-N
 IL-pHT-A120-DIN-N
 IL-pHT-A120MF-BNC-N
 IL-pHT-A120-BNC-N
 IL-pHT-H120MF-DIN-N
 IL-pHT-H120-DIN-N
 IL-pHT-H120MF-BNC-N
 IL-pHT-H120-BNC-N
- B IL-pHT-A170MF-DIN-N
 IL-pHT-A170-DIN-N
 IL-pHT-A170MF-BNC-N
 IL-pHT-A170-BNC-N
 IL-pHT-H170MF-DIN-N
 IL-pHT-H170-DIN-N
 IL-pHT-H170MF-BNC-N
 IL-pHT-H170-BNC-N
- C IL-MICRO-pHT-A-DIN-N
 IL-MICRO-pHT-A-BNC-N

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170	170 mm overall length
MF	platinum diaphragm (multi-flow)
DIN	DIN instrument plug
BNC	BNC instrument plug
N	4 mm banana plug
CI	cinch plug

Type No.	Order No.	Length L [mm]	Ø [mm]	Dia- phragm	Membrane glass	Membrane glass resistance	Membrane shape	Temp. sensor	ID Function	Connection with 1 m fixed cable	Appli- cation	Shape
IL-pHT-A120MF-DIN-N	285113890	120	12	platinum	A	200 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	A
IL-pHT-A120-DIN-N	285113900	120	12	ceramic	A	200 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	A
IL-pHT-A120MF-BNC-N	285113850	120	12	platinum	A	200 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	A
IL-pHT-A120-BNC-N	285113860	120	12	ceramic	A	200 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	A
IL-pHT-H120MF-DIN-N	285113870	120	12	platinum	H	300 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	A
IL-pHT-H120-DIN-N	285113880	120	12	ceramic	H	300 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	A
IL-pHT-H120MF-BNC-N	285114200	120	12	platinum	H	300 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	A
IL-pHT-H120-BNC-N	285114210	120	12	ceramic	H	300 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	A
IL-pHT-A120MF-BNC-CI	285114370	120	12	platinum	A	200 MΩ	sphere	NTC 30 kΩ		BNC + Cinch	■	A
IL-pHT-A120MF-R-NN	285114390	120	12	platinum	A	200 MΩ	sphere	Pt 1000		Methrom plug + 2 banana plug	■	A
IL-pHT-A170MF-DIN-N	285113910	170	12	platinum	A	200 Mohm	sphere	Pt 1000	yes	DIN + banana plug	■	B
IL-pHT-A170-DIN-N	285113920	170	12	ceramic	A	200 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	B
IL-pHT-A170MF-BNC-N	285114220	170	12	platinum	A	200 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	B
IL-pHT-A170-BNC-N	285114230	170	12	ceramic	A	200 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	B
IL-pHT-H170MF-DIN-N	285114240	170	12	platinum	H	300 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	B
IL-pHT-H170-DIN-N	285114250	170	12	ceramic	H	300 MΩ	sphere	Pt 1000	yes	DIN + banana plug	■	B
IL-pHT-H170MF-BNC-N	285114260	170	12	platinum	H	300 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	B
IL-pHT-H170-BNC-N	285114270	170	12	ceramic	H	300 MΩ	sphere	Pt 1000	yes	BNC + banana plug	■	B
IL-pHT-A170MF-BNC-CI	285114380	170	12	platinum	A	200 MΩ	sphere	NTC 30 kΩ		BNC + Cinch	■	B
IL-pHT-A170MF-R-NN	285114400	170	12	platinum	A	200 MΩ	sphere	Pt 1000		Methrom plug + 2 banana plug	■	B
IL-MICRO-pHT-A-DIN-N	285114300	170 (130/40)	12/6	platinum	A	400 MΩ	cylindrical	Pt 1000	yes	DIN + banana plug	■	C
IL-MICRO-pHT-A-BNC-N	285114310	170 (130/40)	12/6	platinum	A	400 MΩ	cylindrical	Pt 1000	yes	BNC + banana plug	■	C

- general applications, low ion media
- small sample quantities
- high temperatures, optimized for alkaline area