

ScienceLine pH combination electrodes

pH combination electrodes with plug head and fixed cable

Reference system: Silamid®
Shaft material: glass
Zero point: pH = 7.0 ± 0.3
Electrolyte: KCl 3 mol/l
 (except N 6250: KCl 4.2 mol/l
 A 7780 and L 7780: gel electrolyte
 L 8280: Referid® electrolyte)
Membrane shape: sphere
pH range: 0 .. 14
Connection cable for plug head: e.g. L 1 A
 (See also page with connection cables)
fixed cable: 1 m long, with plug A acc. to DIN 19262 or with BNC plug



H 61
 H 62
 H 63
 N 61
 N 62
 H 6180
 H 6280
 H 6380
 N 6180
 N 6250
 N 6280
 N 42 A
 N 42 BNC
 N 50 A
 N 52 A
 N 52 BNC
 N 61 eis
 H 61-500
 H 61-600

H 64
 H 64 1M-DIN-ID
 H 64 1M-BNC-ID
 N 64
 N 6480 eis
 N 6480 eth

N 65
 H 65
 H 6580
 N 6580

L 32

A 7780
 L 7780

N 6980

L 8280

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Order No.	Type No.	Length L [mm]	Ø [mm]	Dia- phragm	pH- glass	Temp. range [°C]	Connection	Remarks
285101260	A 7780	120	12	3 x ceramic	A	-5 ... +80	plug head	gel electrolyte
285100207	H 61	170	12	platinum	H	+10 ... +100	plug head	
285092583	H 61-500	500	12	platinum	H	0...+100	plug head	
285092591	H 61-600	600	12	platinum	H	0...+100	plug head	
285102524	H 6180	170	12	ceramic	H	+10 ... +100	plug head	
285100215	H 62	120	12	platinum	H	+10 ... +100	plug head	
285102532	H 6280	120	12	ceramic	H	+10 ... +100	plug head	
285100223	H 63	320	12	platinum	H	+10 ... +100	plug head	
285102549	H 6380	320	12	ceramic	H	+10 ... +100	plug head	
285100231	H 64	170	12	ground joint	H	+10 ... +100	plug head	
285130220	H 64 1M-DIN-ID	170	12	ground joint	H	+10 ... +100	DIN plug ²⁾	ID function
285130230	H 64 1M-BNC-ID	170	12	ground joint	H	+10 ... +100	BNC plug ²⁾	ID function
285100248	H 65	103 ¹⁾	10	platinum	H	+10 ... +100	plug head	standard taper NS 14.5
285102565	H 6580	103 ¹⁾	10	ceramic	H	+10 ... +100	plug head	standard taper NS 14.5
1061093	L 32	120	12	fibre	A	-5 ... +50	plug head	plastic shaft
285101252	L 7780	120	12	ceramic	L	-5 ... +80	plug head	gel electrolyte
285101277	L 8280	120	12	KPG®	L	-5 ... +80	plug head	Referid® electrolyte
285100437	N 42 A	120	12	ceramic	A	-5 ... +100	DIN plug ²⁾	
285101544	N 42 BNC	120	12	ceramic	A	-5 ... +100	BNC plug ²⁾	
285100453	N 50 A	108	12	ceramic	A	-5 ... +100	DIN plug ²⁾	for portable Knick pH meters
285100494	N 52 A	120	12	platinum	A	-5 ... +100	DIN plug ²⁾	
285105451	N 52 BNC	120	12	platinum	A	-5 ... +100	BNC plug ²⁾	
285100001	N 61	170	12	platinum	A	-5 ... +100	plug head	
285100018	N 6180	170	12	ceramic	A	-5 ... +100	plug head	
285100034	N 62	120	12	platinum	A	-5 ... +100	plug head	
285100112	N 6250	120	12	ceramic	A	+15 ... +40	plug head	calomel ref., for TRIS buffers
285100042	N 6280	120	12	ceramic	A	-5 ... +100	plug head	
285100059	N 64	170	12	ground joint	A	-5 ... +100	plug head	
285100067	N 65	103 ¹⁾	10	platinum	A	-5 ... +100	plug head	standard taper NS 14.5
285102516	N 6580	103 ¹⁾	10	ceramic	A	-5 ... +100	plug head	standard taper NS 14.5
285101709	N 6980	103 ¹⁾	10	ground joint	A	-5 ... +100	plug head	standard taper NS 14.5
285092661	N 61 eis	170	12	3 x platinum	A	+10 ... +40	plug head	electrolyte L 5014, Ag/AgCl ref.
285092337	N 6480 eis	170	12	ground joint	A	+10 ... +40	plug head	electrolyte L 5014, Ag/AgCl ref.
285092329	N 6480 eth	170	12	ground joint	A	0 ... +40	plug head	electrolyte L 5014, Ag/AgCl ref.

¹⁾ Length from upper end of standard taper

²⁾ with 1 m fixed cable

ScienceLine pH combination electrodes with temperature sensor

pH combination electrodes with temperature sensor

Reference system: Silamid®
Shaft material: glass
Diameter: 12 mm
Zero point: pH = 7.0 ± 0.3
Electrolyte: KCl 3 mol/l
Temperature sensor: Pt 1000
Membrane shape: sphere
pH range: 0 ... 14
Connection cable:
for SMEK-plug head: e.g. LS 1 ANN
 (See also page with connection cables)
fixed cable: 1 m long, with plug A acc. to DIN 19262 or with BNC plug, as well as plug for temperature sensor



N 1042 A
 N 1041 A
 N 1041 BNC
 N 1042 BNC
 N 1050 A
 N 1051 A
 N 1051 BNC
 N 1052 A
 N 1052 BNC
 N 2041 A
 N 2042 A
 N 1041 A - 600
 N 1043 A



A 162
 A 161
 H 161
 H 162
 A 161 1M DIN ID
 A 161 1M BNC ID
 H 161 1M DIN ID
 H 161 1M BNC ID



A 164
 A 164 1M DIN ID
 A 164 1M BNC ID



A 7780 1M DIN ID
 A 7780 1M BNC ID

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Order No.	Type No.	Length L [mm]	Dia- phragm	pH- glass	Temp.- range [°C]	Connection	Remarks
285129517	A 161	170	platinum	A	-5 ... +100	SMEK plug head	
285130240	A 161 1M-DIN-ID	170	platinum	A	-5 ... +100	DIN ¹⁾ - + 4-mm plug	ID function
285130250	A 161 1M-BNC-ID	170	platinum	A	-5 ... +100	BNC ¹⁾ - + 4-mm plug	ID function
285129525	A 162	120	platinum	A	-5 ... +100	SMEK plug head	
285129600	A 164	170	ground joint	A	-5 ... +100	SMEK plug head	
285130280	A 164 1M-DIN-ID	170	ground joint	A	-5 ... +100	DIN ¹⁾ - + 4-mm plug	ID function
285130290	A 164 1M-BNC-ID	170	ground joint	A	-5 ... +100	BNC ¹⁾ - + 4-mm plug	ID function
285130200	A 7780 1M-DIN-ID	120	3 x ceramic	A	-5 ... +80	DIN ¹⁾ + 4-mm plug	ID function
285130210	A 7780 1M-BNC-ID	120	3 x ceramic	A	-5 ... +80	BNC ¹⁾ + 4-mm plug	ID function
285129590	H 161	170	platinum	H	+10 ... +100	SMEK plug head	
285130260	H 161 1M-DIN-ID	170	platinum	H	+10 ... +100	DIN ¹⁾ - + 4-mm plug	ID function
285130270	H 161 1M-BNC-ID	170	platinum	H	+10 ... +100	BNC ¹⁾ - + 4-mm plug	ID function
285129580	H 162	120	platinum	H	+10 ... +100	SMEK plug head	
285100486	N 1041 A	170	ceramic	A	-5 ... +100	DIN ¹⁾ + 4-mm plug	
285093111	N 1041 A-600	600	ceramic	A	-5...+100	DIN ¹⁾ + 4-mm plug	Ag/AgCl ref.
285100531	N 1041 BNC	170	ceramic	A	-5 ... +100	BNC ¹⁾ + 4-mm plug	
285104541	N 1042 A	120	ceramic	A	-5 ... +100	DIN ¹⁾ + 4-mm plug	
285105476	N 1042 BNC	120	ceramic	A	-5 ... +100	BNC ¹⁾ + 4-mm plug	
285093009	N 1043 A	320	ceramic	A	-5...+100	DIN ¹⁾ + 4-mm plug	
285100375	N 1050 A	108	ceramic	A	-5 ... +100	DIN ¹⁾ + 4-mm plug	for portable Knick pH Meter
285100510	N 1051 A	170	platinum	A	-5 ... +100	DIN ¹⁾ + 4-mm plug	
285100500	N 1051 BNC	170	platinum	A	-5 ... +100	BNC ¹⁾ + 4-mm plug	
1054512	N 1052 A	120	platinum	A	-5 ... +100	DIN ¹⁾ + 4-mm plug	
285100380	N 1052 BNC	120	platinum	A	-5 ... +100	BNC ¹⁾ + 4-mm plug	
285100342	N 2041 A	170	ceramic	A	-5 ... +100	DIN ¹⁾ + 2-mm plug	
285100359	N 2042 A	120	ceramic	A	-5 ... +100	DIN ¹⁾ + 2-mm plug	

scienceLine

¹⁾ with 1 m fixed cable

ScienceLine micro, spear tip and surface pH combination electrodes

Micro, spear tip and surface pH combination electrodes

Reference system: Silamid®
Shaft material: glass
 (except L 39:
 plastic shaft)
Zero point: pH = 7.0 ± 0.3
Electrolyte: KCl 3 mol/l
 (except L8880:
 Referid®)
**Type of
 membrane glass:** A
**Connection cable:
 for SMEK plug head:** e.g. LS 1 ANN
 (See also page
 with connec-
 tion cables)
**for plug head
 versions:** e.g. L 1 A
 (See also page
 with connec-
 tion cables)
fixed cable: 1 m long, with
 plug A acc.
 to DIN 19262
 or with
 BNC plug, as
 well as plug
 for temperature
 sensor



A 157 1M
BNC ID
 A 157
 A 157 1M
 DIN ID

N 5800 A
 N 5800 BNC
 N 5900 A

N 6000 1M
DIN ID
 N 6000 1M
 BNC ID
 N 6000 A
 N 6000 BNC

N 6003

L 6880
 L 6880 1M-
 DIN-ID
 L 6880 1M-
 BNC-ID
 L 8880

N 1048 A
 N 1048 1M
 DIN ID
 N 1048 1M
 DIN ID
 N 48 A
 N 48 BNC

L 39
 L 39 1M
 DIN ID
 L 39 1M
 DIN ID

Order No.	Type No.	Length L [mm]	Ø [mm]	Dia- phragm	pH- glass	Membrane shape	Temp.- range [°C]	Range [pH]	Connection	Remarks
Micro										
285129610	A 157 ¹⁾	40/130	12/5	platinum	A	cylindrical	-5 ... +100	0 ... 14	SMEK plug head	
285130160	A 157 1M-DIN-ID ¹⁾	40/130	12/5	platinum	A	cylindrical	-5 ... +100	0 ... 14	DIN plug ³⁾	ID function
285130170	A 157 1M-BNC-ID ¹⁾	40/130	12/5	platinum	A	cylindrical	-5 ... +100	0 ... 14	BNC plug ³⁾	ID function
285105127	N 5800 A	96 ²⁾	5	3 x platinum	A	spear	-5 ... +100	0 ... 14	DIN plug ³⁾	Ag/AgCl ref.
285105579	N 5800 BNC	96 ²⁾	5	3 x platinum	A	spear	-5 ... +100	0 ... 14	BNC plug ³⁾	Ag/AgCl ref.
285105135	N 5900 A	96 ²⁾	5	platinum	A	sphere	-5 ... +100	0 ... 14	DIN plug ³⁾	Ag/AgCl ref.
285105151	N 6000 A	96 ²⁾	3	platinum	A	cylindrical	-5 ... +100	0 ... 14	DIN plug ³⁾	Ag/AgCl ref.
285105632	N 6000 BNC	96 ²⁾	3	platinum	A	cylindrical	-5 ... +100	0 ... 14	BNC plug ³⁾	Ag/AgCl ref.
285130180	N 6000 1M-DIN-ID	96 ²⁾	3	platinum	A	cylindrical	-5 ... +100	0 ... 14	DIN plug ³⁾	ID function, Ag/AgCl ref.
285130190	N 6000 1M-BNC-ID	96 ²⁾	3	platinum	A	cylindrical	-5 ... +100	0 ... 14	BNC plug ³⁾	ID function, Ag/AgCl ref.
285105176	N 6003	180	3	ceramic	A	cylindrical	-5 ... +100	0 ... 14	plug head	Ag/AgCl ref.
Spear tip										
285101211	L 6880	70/50	12/8	3 x ceramic	A	spear	-5 ... +100	0 ... 14	plug head	
285130100	L 6880 1M-DIN-ID	70/50	12/8	3 x ceramic	A	spear	-5 ... +100	0 ... 14	DIN plug ³⁾	ID function
285130110	L 6880 1M-BNC-ID	70/50	12/8	3 x ceramic	A	spear	-5 ... +100	0 ... 14	BNC plug ³⁾	ID function
285101285	L 8880	70/50	12/8	hole	A	spear	-5 ... +80	2 ... 13	plug head	
285104611	N 1048 A ¹⁾	120	12	ceramic	A	spear	-5 ... +100	0 ... 14	DIN- ³⁾ + 4-mm plug	
285130120	N 1048 1M-DIN-ID ¹⁾	120	12	ceramic	A	spear	-5 ... +100	0 ... 14	DIN- ³⁾ + 4-mm plug	ID function
285130130	N 1048 1M-BNC-ID ¹⁾	120	12	ceramic	A	spear	-5 ... +100	0 ... 14	BNC- ³⁾ + 4-mm plug	ID function
285100445	N 48 A	120	12	ceramic	A	spear	-5 ... +100	0 ... 14	DIN plug ³⁾	
285101569	N 48 BNC	120	12	ceramic	A	spear	-5 ... +100	0 ... 14	BNC plug ³⁾	
Surface										
1061094	L 39	120	12	fibre	A	flat	-5 ... +50	1 ... 13	plug head	
285130140	L 39 1M-DIN-ID	120	12	fibre	A	flat	-5 ... +50	1 ... 13	DIN plug ³⁾	ID function
285130150	L 39 1M-BNC-ID	120	12	fibre	A	flat	-5 ... +50	1 ... 13	BNC plug ³⁾	ID function

¹⁾ with integrated temperature sensor Pt 1000

²⁾ Length from upper end of standard taper (Standard taper NS 7.5)

³⁾ with 1 m fixed cable