

Consumables and Auxiliaries for Industrial pH and Redox Sensors.



pH Buffer Solutions				
Description		Order No.	Order No.	Order No.
pH value at 25 °C (77 °F)		1x250 ml	6x250 ml	1x1000 ml
Buffer pH	2.00	51 340 055	51 319 010	51 319 011
Buffer pH	4.01 (red)	51 340 057	51 340 058	51 340 228
Buffer pH	4.64	51 319 013	51 319 014	51 319 015
Buffer pH	7.00 (green)	51 340 059	51 340 060	51 340 229
Buffer pH	9.21 (blue)	51 300 193	51 300 194	51 340 230
Buffer pH	11.00	51 340 063	51 319 018	51 319 019
pH Buffer Solutions. Traceable to DKD, COFRAC, EA and ILAC				
Buffer pH	4.01 (cert.)	52 118 093	51 319 059	–
Buffer pH	7.00 (cert.)	52 118 094	51 319 060	–
Buffer pH	9.21 (cert.)	52 118 095	51 319 061	–
Buffer pH	10.00 (cert.)	52 118 096	51 319 062	–

The tolerance range of the quoted values is ± 0.02 pH units. We recommend the pH 7.0 and pH 4.01 buffer solutions for standard calibrations.



pH Buffer Solutions (NBS and DIN 19266)		1x250 ml	6x250 ml
pH value at 25 °C (77 °F)	4.006	51 340 039	51 319 004
	6.865	51 340 041	51 319 005
	9.180	51 340 042	51 319 007

The tolerances on the values given above are pH ± 0.015 . However, these buffer solutions are more affected by dilution and have a lower buffering capacity than the METTLER TOLEDO standard buffers which in preference should be used for all routine work.



Redox Buffer Solutions		1x250 ml	6x250 ml	1x1000 ml
E (Ag/AgCl) at 25 °C (77 °F)	+220 mV	51 340 065	51 340 081	51 319 021
	+468 mV	51 340 066	–	–

Reference Electrolytes	1x250 ml	6x250 ml
Standard electrolyte: viscosity 10 cp for pressurized sensors:	51 340 235	51 340 236
VISCOLYT KCl 3 mol/l		
For measurement at low temperatures and in media containing high protein concentrations: FRISCOLYT	51 340 053	51 340 054
KCl 3 mol/l	51 340 049	51 340 050

Cleaning and Regeneration	1x250 ml	6x250 ml	1x1000 ml
Cleaning Solutions			
Pepsin hydrochloric acid for cleaning diaphragms contaminated by proteins. Duration of action: approximately 1h	51 340 068	51 340 069	51 319 041
Thiourea solution for cleaning diaphragms contaminated by AgCl reactions. Duration of action until decoloration occurs.	51 340 070	51 340 082	–
Regeneration Solution			
Regeneration solution for pH-sensitive glass (membrane): HF solution	51 329 001	–	–
Duration of action: 1 minute			

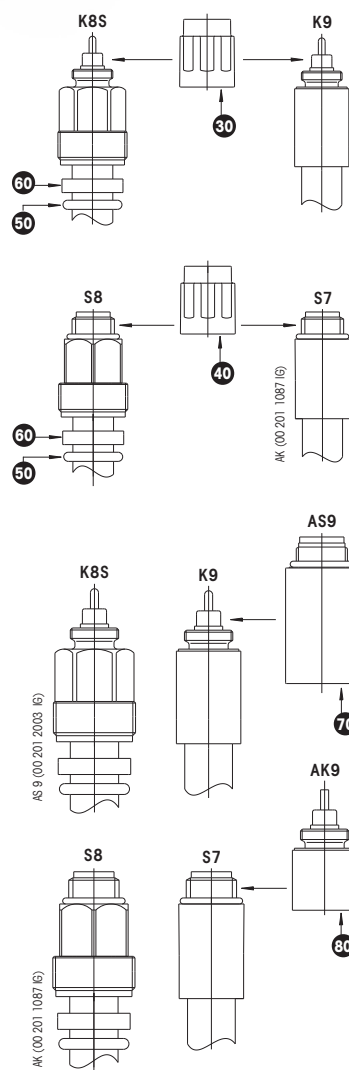


Description	Order No.
pH Simulator 112 10	31 112 3003

With this simulator it is possible to check the linearity, temperature compensation and quality of the input circuit (input resistance and input current) of a pH transmitter. Influences of the sample, the sensor and of the measurement arrangement are eliminated, thus facilitating trouble-shooting.

Description	Order No.
VP simulator 20	52 120 939

The VP simulator enables the testing of the VP cable and correct wiring of the cable to the transmitter. The simulator has two built-in resistors to switch from Pt100 to Pt1000. Two fixed temperature values allow the verification of temperature. When combined with pH simulator 112, as on the picture, both pH and temperature signals can be simulated and the automatic temperature compensation capability of the transmitter can be checked.



Description	Application	Order No.
Closure Cap VK9 30 (protective cap)	screw cap heads K9 and K8S	00 201 1096
Closure Cap VS7 40 (protective cap)	screw cap heads S7 and S8	00 201 1094

O-Ring **50**

– Nitrile R9 (10.50 mm x 2.70 mm)	20 300 1005
– Silicone FDA (10.77 mm x 2.62 mm)	20 301 1136
– Viton® FDA (10.77 mm x 2.62 mm)	20 302 1000

Washer, PTFE **60**

00 201 1055

Adapter	screw cap heads	Order No.
Adaption of heads 70	AS9 to K8S/K9	00 201 2003
Adaption of heads 80	AK9 to S7/S8	00 201 1087

Temperature Sensors, threaded 1/8"		Order No.
Pt100 with 5 m cable	InFlow 764-20/-51	10 100 3104
15 m cable		11 100 3002
Pt100 with 5 m cable (Hastelloy)	InTrac 776/777	11 100 3004
Pt1000 with 5 m cable		10 100 3116
Pt100 -S8/120 (glass)	InFit 761/70	10 100 3072
Pt1000 -S8/120 (glass)		10 100 3108
		InDip 550

For further information, please consult our flyers for pH sensors.

Sales and service:



Management System
certified according to
ISO 9001 / ISO 14001

Internet: www.mtpro.com