

pH/Redox Electrodes, Meinsberg

pH and redox combination electrodes of standard design (120 mm stem length; stem-Ø 12 mm), Ag/AgCl reference system, lab plug head S7-system or 1 m of fixed cable with DIN plug.

Standard pH combination electrodes with glass stem

General purpose laboratory use

Article	Order No.
① EGA151-L: pH 0 – 14; -5 – 80°C Liquid electrolyte 3 mol/l KCl (refillable), lab plug head S7-system	61 90 70151
EGA151-K010-D: as EGA151-L, but with fixed cable + DIN plug	61 90 71151
② EGA173-L: pH 0 – 14; -5 – 80°C Ring-shaped glass sleeve junction, gel electrolyte (low-maintenance), lab plug head S7-system	61 90 70173
EGA173-K010-D: as EGA173-L, but with fixed cable + DIN plug	61 90 71173

pH combination electrode with glass sleeve junction

Specially for suspensions, partially aqueous samples and low-ion media

Article	Order No.
③ EGA161-L: pH 0 – 14; -5 – 80°C Liquid electrolyte 3 mol/l KCl (refillable), lab plug head S7-system	61 90 70161
EGA161-K010-D: as EGA161-L, but with fixed cable + DIN plug	61 90 71161

pH combination electrode with penetration membrane

Specially for penetration measurements in meat, cheese, etc.

Article	Order No.
④ EGA184-L: pH 2 – 11; 0 – 60°C Penetration Ø 12/6 mm, gel electrolyte (low-maintenance), lab plug head S7-system	61 90 70184
EGA184-K010-D: as EGA184-L, but with fixed cable + DIN plug	61 90 71184
EGA186-L: pH 2 – 11; -5 – 60°C Liquid electrolyte 3 mol/l KCl (refillable), stem Ø 12/6 mm, stem length 170 mm, lab plug head S7-system	10 90 70186
EGA186-K010-D: as EGA186-L, but with fixed cable + DIN plug	10 90 71186

pH combination electrode with plastic stem

General purpose use, particularly in the water and waste water sector

Article	Order No.
⑤ EGA133-L: pH 0 – 14; -5 – 80°C Gel electrolyte (low-maintenance), lab plug head S7-system	10 90 72133
EGA 133-K010-D: as EGA 133 L, but with fixed cable + DIN plug	61 90 70133

pH combination electrode with temperature probe and glass stem

Specially for temp.-compensated measurements with lab pH meters

Article	Order No.
⑥ EGAT151-K010-DH-X with Pt 1000, pH 0 – 14, -5 – 80°C	61 90 70141
EGAT151-K010-DH-Z30 with NTC 30 kΩ; pH 0 – 14; -5 – 80°C	61 90 71141
Liquid electrolyte 3 mol/l KCl (refillable), fixed cable + DIN plug and 4 mm banana plug	

pH combination electrode with temperature sensor and plastic stem

Specially for temperature-compensated measurements with hand units

Article	Order No.
⑦ EGA142-K010-DH-X with Pt 1000: pH 0 – 14; -5 – 80°C	61 90 70142
EGA142-K010-DH-Z30 with NTC 30 kΩ; pH 0 – 14; -5 – 80°C	61 90 71142
Gel electrolyte (low-maintenance), fixed cable + DIN plug and 4 mm banana plug	

Micro pH combination electrode with conical membrane

Specially for small sample volumes

Article	Order No.
⑧ EGA801-K010-D: pH 2 – 11; -5 – 60°C Liquid electrolyte 3 mol/l KCl (refillable), stem Ø 8/6 mm, stem length 100 mm, fixed cable + DIN plug	61 90 70801

webcode  WW37Z001



Standard redox combination electrodes with glass stem

General purpose laboratory use

Article	Order No.
⑨ EMC30-L: platinum tip Ø 5 mm; -5 – 80°C	61 90 70300
Liquid electrolyte 3 mol/l KCl (refillable), lab plug head S7-system	
EMC30-K010-D: as EMC30-L, but with fixed cable + DIN plug	61 90 71300

Redox combination electrode with PSU stem

General purpose use, particularly in the water and waste water sector

Article	Order No.
EMC133-L: platinum tip Ø 5 mm; -5 – 80°C	10 90 73133
Gel electrolyte (low-maintenance), lab plug head S7-system	
EMC133-K010-D: as EMC133-L, but with fixed cable + DIN plug	61 90 71133

Connection cable for pH and redox combination electrodes

Connection cable (1 m long; Ø 3 mm) for connecting electrodes with a lab plug head S7-system to the measuring instrument

Article	Order No.
Coax3: S7/S8 connector/DIN connector; 1 m	61 90 70313
Coax5: S7/S8 connector/BNC connector; 1 m	61 90 70315



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⑩ Electrolyte and buffer solutions

Article	Order No.
Electrolyte KCL 3 mol/l; 250 ml	61 90 70147
Storage solution and liquid electrolyte for refilling	
Maintenance set pH, each 250 ml	61 90 70148
Cleaning/Regeneration/KCl solution (3 mol/l)	
pH buffer solution Tripack NBS, 3 x 250 ml	61 90 70150
acc. to NBS and DIN 19266, pH 4.01; 6.87; 9.18 (25°C)	
Laboratory buffer solution pH 4,0; 250 ml, red coloured	10 90 70151
Laboratory buffer solution pH 7,0; 250 ml, green coloured	10 90 70152
Laboratory buffer solution pH 9,0; 250 ml, blue coloured	10 90 70153
Laboratory buffer solution pH 10,0; 250 ml	10 90 70154
Redox buffer solution $U_H = 427$ mV; 250 ml	61 90 70427
$U_H = 427$ mV (pH 7), $U_{Pt-Ag/AgCl} = 220$ mV	
Redox buffer solution $U_H = 675$ mV; 250 ml	61 90 70675
$U_H = 675$ mV (pH 1), $U_{Pt-Ag/AgCl} = 468$ mV	



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⑪ Handheld meters

Article	Order No.
TM40/Set	10 90 74061
pH / mV / ISE / temperature measuring instrument	
pH 0 – 14; -1999 – 1999 mV; -10 – 100°C; ISE: 0 – 30000 ppm	
Housing IP 65; integrated data memory; complete measuring kit with pH combination electrode EGA142/TM40 and accessories: 1 x 50 ml storage solution KCl 3 mol/l	
3 x 50 ml buffer solution pH 4.01; 6.87 und 9.18 (25°C)	
LF40/Set	10 90 74062
Conductivity meter;	
0 – 20 g/l; 0 – 500 g/l; 2 – 200; 0 – 2000 μ S/cm; 0 – 20; 0 – 500 mS/cm; 0 – 100°C;	
TDS: 0 – 200 mg/l; 0 – 2000 mg/l; 0 – 20 g/l; 0 – 500 g/l; salinity: 0 – 70 g/kg;	
Housing IP 65; integrated data memory; complete measuring kit with measuring cell LTC0.35/LF40 and accessories: 50 ml calibration solution 0.1 N KCl (12.9 mS/cm at 25°C)	
AM40/Set	10 90 74063
Oxygen meter	
0 – 20 mg/l; 0 – 200% saturation; -10 – 100°C	
Housing IP 65; integrated data memory; complete measuring kit with oxygen sensor MF41N/AM40 and accessories: 2 spare membrane heads, 6 vials of electrolyte	



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