

APPLICATION AREAS: ELECTRODES

APPLICATION	GE 100	GE 101	GE 104	GE 108	GE 114	GE 117	GE 120	GE 125	GE 151	GE 171	GE 173	GE 126	GR 105	GR 175
Sewage											•	•		
Aquarium water	•		•	•	•	•			•			•	•	•
Soil testing		•												
Emulsions		•	•											
On-site measurements				•	•	•		•					•	
Fish farming	•		•	•	•	•		•	•			•	•	•
Galvanic baths											•			•
Beverages								•	•		•		•	•
Low-ion media			•								•			
Cosmetics			•											
Food sample		•					•							
Sea water	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Online measuring											•	•		•
Process chemistry									•	•	•			•
Swimming pool water	•			•	•	•		•			•	•	•	•
Suspensions		•	•											•
Drinking water	•		•	•	•	•		•			•	•	•	•
Water-based lacquers			•								•			

Note: The set information are to provide general recommendations. It needs to be checked, which electrodes for each area of application are suitable.

ORP ELECTRODES



GR 105-BNC

Art. no. 607798
ORP / redox electrode with BNC connection



GR 175-BNC

Art. no. 607801
ORP electrode with BNC connection

GR 175-S7

Art. no. 607802
ORP electrode incl. S7 connector - without connecting cable *)

Specifications:	GR 105	GR 175
Measuring unit:		ORP
Measuring range:		±2000 mV, 0 ... 80 °C
Conductivity:		>100 µS/cm
Temperature measurement:		no
Water-proof:		no
Pressure resistant:	no	6 bar
Cable:	1 m ¹⁾	without / 1 m
Electrolyte:	3 mol/l KCL	gel electrolyte
Diaphragm:	2 x ceramic	1 x ceramic
Metal electrode:	Platin dome Ø 5 mm	
Thread:	without	PG 13.5
Electrode shaft:	tyril, Ø 12 mm x 120 mm	glass, Ø 12 mm x 120 mm
Minimal depth of immersion:	15 mm	
Scope of supply:	ORP electrode, manual	

Options:

Longer cable for ¹⁾²⁾
(available cable lengths: up to 5 m)

Accessories:

GRP 100
Art. no. 601424
Redox test solution 220 mV, 100 ml



ELECTRODES - ACCESSORIES

Buffer capsules and buffer solutions:

GPH 4,0 / 5 pH buffer capsules (5 pieces), pH 4.0	Art. no. 602614
GPH 4,0 / 10 pH buffer capsules (10 pieces), pH 4.0	Art. no. 602615
GPH 7,0 / 5 pH buffer capsules (5 pieces), pH 7.0	Art. no. 602616
GPH 7,0 / 10 pH buffer capsules (10 pieces), pH 7.0	Art. no. 602617
GPH 10,0 / 5 pH buffer capsules (5 pieces), pH 10.0	Art. no. 602618
GPH 10,0 / 10 pH buffer capsules (10 pieces), pH 10.0	Art. no. 602619
GPH 12,0 / 5 pH buffer capsules (5 pieces), pH 12.0	Art. no. 602620
GPH 12,0 / 10 pH buffer capsules (10 pieces), pH 12.0	Art. no. 602621

All buffer capsules are traceable to NIST standards and have ±0.02 pH at 25 °C.

PHL 4 pH buffer solution, ready to use (pH 4.01 / 25 °C), 250 ml	Art. no. 601369
PHL 7 pH buffer solution, ready to use (pH 7.00 / 25 °C), 250 ml	Art. no. 601371
PHL 10 pH buffer solution, ready to use (pH 10.01 / 25 °C), 250 ml	Art. no. 601373
PHL 4-1000 pH buffer solution, ready to use, (pH 4.01 / 25 °C), 1000 ml	Art. no. 415029
PHL 7-1000 pH buffer solution, ready to use, (pH 7.00 / 25 °C), 1000 ml	Art. no. 415030
PHL 10-1000 pH buffer solution, ready to use, (pH 10.01 / 25 °C), 1000 ml	Art. no. 415031

KCL 3 M Art. no. 602477 3 mol KCL electrolyte for refilling and storage (fill into protective cap) of electrodes with 3 mol KCl electrolyte, injection bottle, 100 ml

CaCl Art. no. 603254
1000 ml, solution for measuring the pH value of soil

GRL 100 Art. no. 601422
HCL/Pepsin cleaning solution, 100 ml

Accessories and spare parts:

GEAK-2S7-BNC

Art. no. 601996
Adapter cable pH S7-BNC, 2 m

GEAK-5S7-BNC

Art. no. 601998
Adapter cable pH S7-BNC, 5 m

VD120

Art. no. 601380
injection aid for injection electrode GE101

GAD 1 BNC

Art. no. 601382
Adapter for the plug-in of electrodes with Cinch plug to devices with BNC socket.

GPF 100

Art. no. 601417
Plastic bottle with wide neck, 100 ml

GAK 1400

Art. no. 603523
pH Working and calibration set: GPH 4,0, GPH 7,0, GPH 10,0 (5 capsules of each type); 3 x GPF 100; 1 x KCL 3M; 1 x GRL 100

GWA1Z

Art. no. 602914
pressure accessories, plastic adapters PG13.5 to G1"

PG 13.5

Art. no. 603205
Thread Adapter, pluggable, Pg 13,5 for sensors with shaft Ø 12 mm

GWA 11 PG

Art. no. 605379
pressure accessories, plastic adapters from PG11 external thread to PG 13.5 internal thread incl. sealing and PG11 counter nut, material: polyamide, fiber glass reinforced, O-ring: NBR, temperature range: -10 ... +100 °C

HD-22-3

Art. no. 700040
freely positionable laboratory sensor holding arm for sensors Ø12mm

SDW 500

Art. no. 606171
Deionized water in refillable 500 ml bottle