



# pH-electrodes, redox electrodes and accessories



	<b>GE 014</b>	<b>GE 100</b>	<b>GE 106</b>	<b>GE 108</b>	<b>GE 151</b>	<b>GE 109</b>	<b>GE 117</b>	<b>GE 125</b>	<b>GE 173</b>	<b>GE 105</b>
Measurand	pH	pH	pH	pH	pH	pH	pH	pH	pH	Redox
Measuring range	2...12 pH 0...60 °C	0...14 pH 0...80 °C	2...11 pH 10...80 °C	0...14 pH 0...80 °C	0...14 pH -5...+80 °C	0...14 pH 0...60 °C	0...14 pH 0...60 °C	0...14 pH 0...70 °C	0...14 pH 0...80 °C	± 2000 mV 0...80 °C
Conductivity	> 200 µS	> 200 µS	> 25 µS	> 200 µS	> 200 µS	> 200 µS	> 200 µS	> 200 µS	> 50 µS	> 25 µS
Temperature meas.	no	no	no	no	no	integr. Pt100	integr. Pt1000	integr. Pt1000	nein	no
Water proof	no	no	no	no	no	no	no	yes	nein	no
Pressure res.	no	no	no	6 bar	no	6 bar	6 bar	1 bar	6 bar	no
Cable	1 m	1 m	1 m	2 m	1 m	2 m	2 m	2 m	1 m	1 m
Electrolyte	3 mol/l KCL	3 mol/l KCL	3 mol/l KCL	Gel-Elektrolyt	3 mol/l KCL	Gel-Elektrolyt	Gel-Elektrolyt	Gel-Elektrolyt	Gel-Elektrolyt	3 mol/l KCL
Thread	without	without	without	PG13.5	without	without	PG13.5	without	PG13.5	without
Application	environmental analysis, baths, aquarium, water treatment etc.	environmental analysis, baths, aquarium, water treatment etc.	low-ionic media, VE-water, discus-fishes etc.	environmental analysis, baths, aquarium, water treatment etc.	electroplating, partly for paints and varnishes, alkali resistant	environmental analysis, baths, aquarium, water treatment etc.	environmental analysis, baths, aquarium, water treatment etc.	environmental analysis, Bbaths, aquarium, water treatment, food & beverage	biogas plants, water soluble lacquers, electroplating, process chemistry	aquarium, ground survey, chemical analysis, sewage etc.
Temperature connection	-	-	-	-	-	Mini-DIN	4 mm Banana	4 mm Banana	-	-
<b>Connection:</b>										
<b>Cinch</b> 										
<b>BNC</b> 										

**Note:** electrodes are consumption objects. Lifetime under careful treatment: > 2 Years / Warranty: 12 Month

## Options, upcharges:

### - Cable extension

(available cable length: 1, 2, 5, other upon request)

### - Special design types

(electrodes with thread, other length, special applications etc.)

## Accessories:

- GPH 4,0 / 5** Buffer capsule (5 pcs), pH4.0
- GPH 4,0 / 10** Buffer capsule (10 pcs), pH4.0
- GPH 7,0 / 5** Buffer capsule (5 pcs), pH7.0
- GPH 7,0 / 10** Buffer capsule (10 pcs), pH7.0
- GPH 10,0 / 5** Buffer capsule (5 pcs), pH10.0
- GPH 10,0 / 10** Buffer capsule (10 pcs), pH10.0
- GPH 12,0 / 5** Buffer capsule (5 pcs), pH12.0
- GPH 12,0 / 10** Buffer capsule (10 pcs), pH12.0

All buffer salts are directly traceable to NIST standards and certified to  $\pm 0.02\text{pH}$  units at 25°C.

**GAK 1400** Working and calibration set cons. of 5 buffer caps. each ( GPH4,0, GPH7,0 und GPH10,0), 3 x GPF100, 1 x 3 mol KCl-electrolyte KCL3M and 1 x Pepsin-cleaning agent GRL100.

**KCL 3 M** 3 mol KCl-electrolyte for refilling and storage (fill into protective cap) of electrodes with 3 mol KCl electrolyte, injection bottle, 100 ml

**CaCl** 1000 ml solution for measuring the pH-value of soil

**GRL 100** Pepsin-cleaning agent, 100ml

**GRP 100** Redox testing solution (220mV at 25°C), 100ml

**GAD 1 CINCH** Adapter for the plug-in of electrodes with Cinch-plugs to devices with BNC-sockets.

**GAD 1 BNC** Adapter for the plug-in of electrodes with BNC-plugs to devices with Cinch-sockets.

**GWA1Z** thread adapter PG13.5 to G1", plastics

**PG 13.5** plug on thread adapter for pressureless use, for any electrode

**miscellaneous accessories p.r.t. p. 36**