

CG-1872 pH ELECTRODES FOR CHEMGLASS REACTORS

Metrohm pH electrodes designed to be used with Chemglass reactors and data loggers. All electrodes are supplied with integrated PT 1000 sensor for temperature correction and have a BNC connector.

Codes -01 and -02 are 12mm O.D. probes designed to go directly into smaller reactors using the standard taper joint adapters (CG-1872-A-01 through CG-1872-A-03).

Code -03 electrode is designed to fit into a CG-1872-B baffle using the CG-1872-A-10 adapter.

General Electrode Specifications:

<u>Part Number</u>	<u>CG-1872-01</u>	<u>CG-1872-02</u>	<u>CG-1872-03</u>
Shaft Diameter (mm)	12	12	12
Usable Shaft Length (mm)	300	450	125
Minimum Immersion Length (mm)	20	20	25
Shaft Material	Glass	Glass	Glass
Electrode Head	Fixed Cable	Fixed Cable	Plug in Type G
Temperature Range (°C)	0-100	0-100	0-100

Indicator Electrode Specifications:

pH Measuring Range	0-14	0-14	0-14
Membrane Type	"U" (glass)	"U" (glass)	"U" (glass)
Membrane ResistanceMΩ	150-500	150-500	150-500
Electrode Zero Point (pH=7)	0 ± 15mV	0 ± 15mV	0 ± 15mV
Electrode Slope	> 0.97	> 0.97	> 0.97
Isotherm Intersection	0 ± 15mV	0 ± 15mV	0 ± 15mV
Temperature Sensor	Pt 1000	Pt 1000	Pt 1000

Reference Electrode Specifications:

Diaphragm Type	Fixed Ground Joint	Fixed Ground Joint	Fixed Ground Sleeve
Reference Electrolyte	c(KCL)=3 mol/L	c(KCL)=3 mol/L	c(KCL)=3 mol/L
Diaphragm Flow Rate	3... 30uL/h	3...30uL/h	3...30uL/h
Diaphragm Resistance	< 2kΩ	< 2kΩ	< 2kΩ
Reference Element	LL System	LL System	LL System
Reference Element Resistance	<u>3kΩ</u>	<u>3kΩ</u>	<u>3kΩ</u>



CG-1872-01



CG-1872-03

***NOT SUBJECT TO DISCOUNT**

CHEMGLASS

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