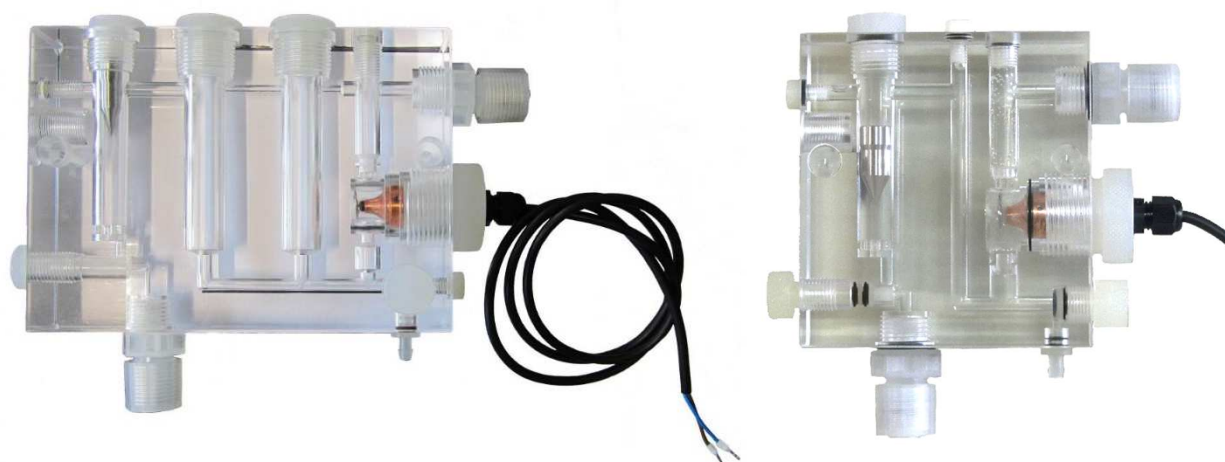


CLE12 and CLE11 CELLS

OPEN AMPEROMETRIC CELLS for measurements
of FREE CHLORINE, CHLORINE DIOXIDE and BROMINE



CLE12 and CLE11 are two-electrode (platinum / copper), open amperometric cells, which allow to measure the concentration of free chlorine, chlorine dioxide and bromine in water.

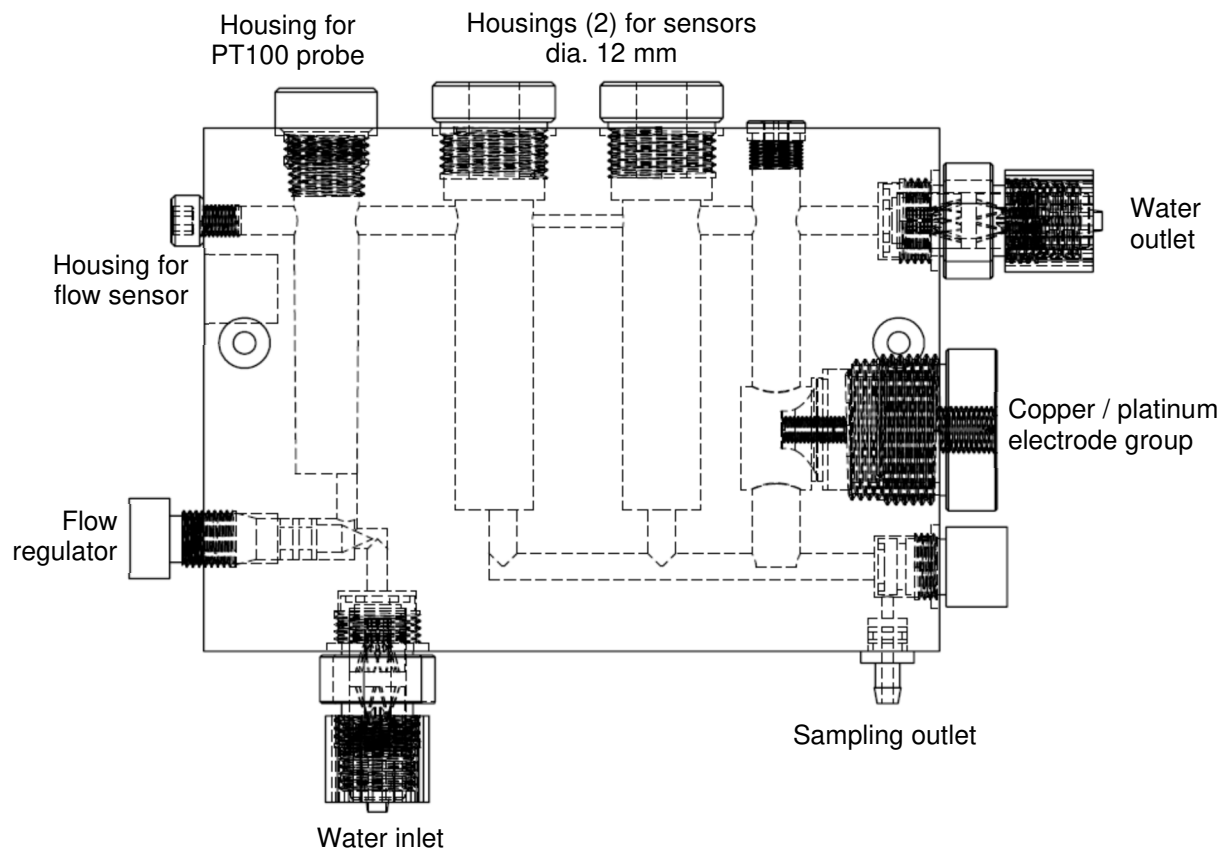
The electrode group is assembled in a down-flow probe-holder with flow regulator and housings for the installation of a temperature sensor and a flow sensor.

The CLE12 model is also equipped with two more housings for sensors of dia. 12 mm (e.g. pH or ORP electrodes). Each cell is supplied complete with an installation kit, including 2 PVC valves M/F ½", 2 PP fittings with ½" threaded nuts, PE hose 6x8 mm (5 m).

TECHNICAL DATA

Measurement Range	0.00 ... 2.00 ppm (up to 5.00 ppm with saturation error)
Electrodes	copper / platinum (Cu/Pt)
Copper Anti-passivation	automatic system, through small glass balls
pH Range	6.0 ... 7.8 (constant pH level is required)
Flow Rate	40 ... 50 l/h (recommended)
Pressure	min 0.5 bar, max 3 bar
Electrical Connection	2-pole cable, 0.5mm ² wires, standard length 1 m
Environment	Working temperature: 0 ... 40 °C Storage temperature: -10 ... 60 °C
Probe-holder	down-flow, methacrylate body, with flow regulator; connections for standard hose 6x8 mm and sampling outlet
Dimensions	approx. 230 x 155 x 50 mm (CLE12) / 170 x 155 x 50 (CLE11)
Installation	wall-mounting through two horizontal holes, distance 160 mm (CLE12) / 100 mm (CLE11)

Technical drawing of the full model (CLE12)



ORDERING CODES – CELLS, SPARE PARTS AND ACCESSORIES

Item	Description	Part No.
CLE12/2019	Open amperometric cell for measurements of residual chlorine (bromine and chlorine dioxide) in water, with housings for PT100 probe, flow sensor and two electrodes dia. 12 mm	80610130
CLE11	Open amperometric cell for measurements of residual chlorine (bromine & chlorine dioxide) in water, with housings for PT100 probe and flow sensor	80610140
CLE12-SENS	Spare Cu/Pt electrode group for CLE12 / CLE11 cells, cable 1 m	80610115
	Spare Cu/Pt electrode group for CLE12 / CLE11 cells, cable 2.5 m	80610116
Kit-sfere/CLE	Kit of Pyrex balls (spare part)	80610110
Kit electrode	Kit of threaded rings and gaskets for installation of a sensor dia. 12 mm	80610265
Spare methacrylate body for model CLE12/2019, complete with PP fittings and flow regulator		80610132
Kit flow	Flow regulation kit for CLE12/CLE11 and SD-CAC series probe-holders	80610114
Kit grounding	Grounding kit for CLE12/CLE11 and SD-CAC series probe-holders	80610111
Kit B	Installation kit including: 2 PVC valves M/F ½", 2 PP fittings with ½" threaded nut, PE hose 6x8 mm (5 m)	80509915