STEIEL

Analysis Instruments and
Dosing Systems for Water Treatment

CAC-HT-B – Open Amperometric Probe for Measurement of CHLORINE and CHLORINE DIOXIDE

The CAC-HT-B probe is an amperometric sensor with three electrodes protected by a membrane-free cap, which contains a specific electrolyte.

Allows to measure the chlorine and / or chlorine dioxide levels in hot water circuits, up to 70 °C. Moreover, the probe is suitable for use in dirty water.

The measurement signal depends on the conductivity of measured liquid and flow rate, which must be kept as stable as possible through the probe-holder. Readings are thermo-compensated, thanks to the inbuilt temperature sensor.

TECHNICAL DATA

Measure Range	0.02 ... 2 ppm (chlorine and/or chlorine dioxide)	
Operating Conditions	temperature max 70 °C, pressure max 8 bar, conductivity of sample (aqueous solution) 50 ... 10'000 µS/cm	
Thermo-compensation	automatic, with inbuilt sensor, with no temperature fluctuations	
Flow Rate	inlet flow rate, through flow sensor: 60 l/h (recommended value); 30 - 100 l/h (min – max flow)	
Response Time	T_{90}: approx. 60 seconds	
Power Supply	±5 V	
Output Signal	0 - 2 V	
Connection	4-pole (signal + power supply) shielded cable, standard length 1 m	
Probe Body	PEEK, dia. 25 x L 221 mm	
Protection Rate	IP65	
Storage Prescriptions	temperature	5 ... 50°C
	RH	max 90% no condensing
	further info	dust-free area, protected from direct sunlight

Item	Description		Code
CAC-HT-B	Probe for control of chlorine and / or chlorine dioxide in hot (max 70°C) and dirty water. Range 0.02 ... 2 ppm	Cavo 1 m	80612101
		Cavo 1 m + M8	80612181
CAC-EL-HT	Spare electrolyte for CAC-HT-B probe, 100 ml bottle		80612005

Caution! *The electrolyte is a chemical product. Read the warnings on the bottle before handling it.*