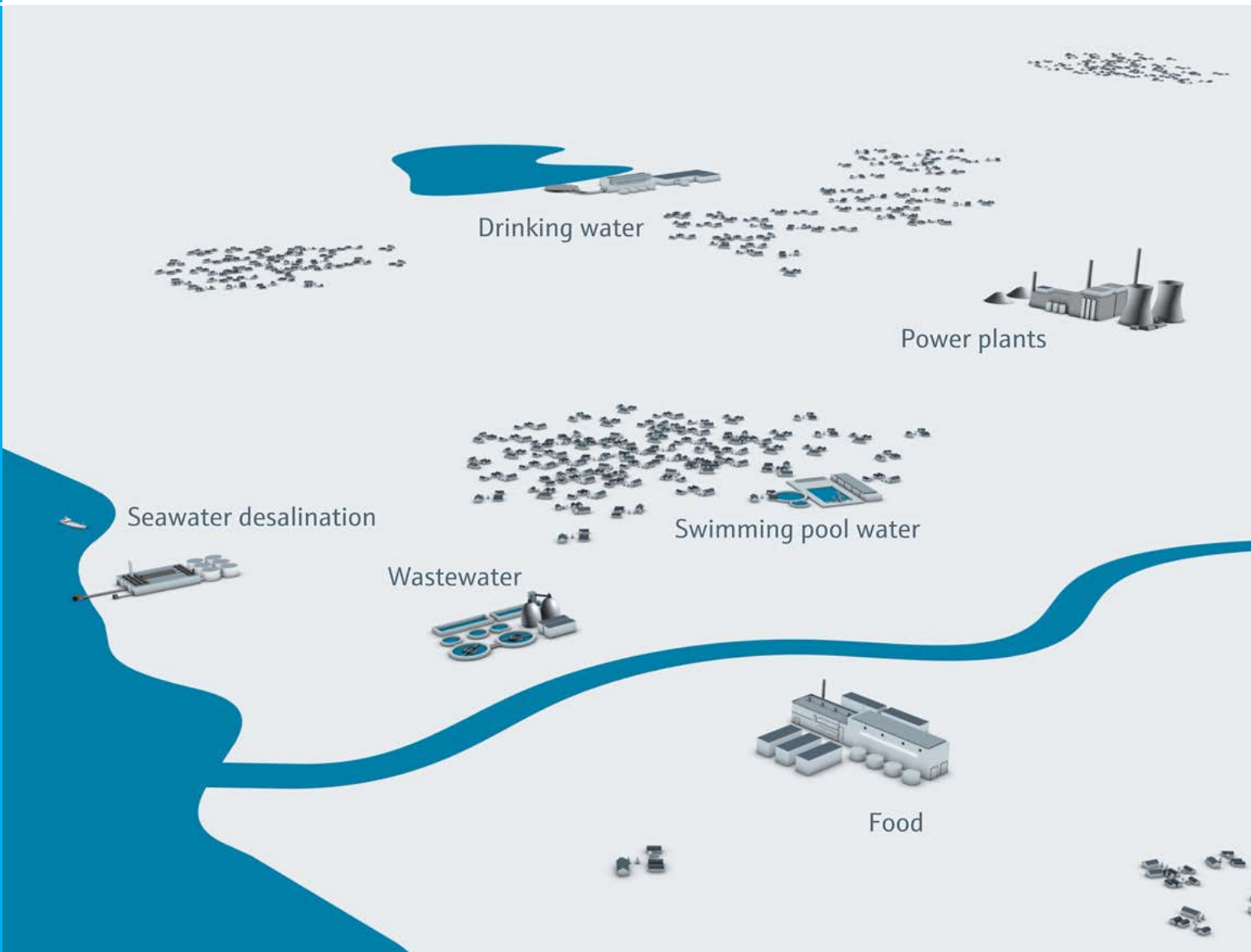



Disinfection applications

Measuring ranges and suitable sensors




Disinfection applications


Disinfectant measurement is essential for safe water disinfection in many applications such as legally required disinfection of wastewater, disinfection of drinking water, seawater desalination, in power plants, disinfection of packaged food or cans and multiple-use bottles, and in swimming pool water. The tables below give an overview on the individual applications, measuring ranges and suitable sensors to be used.



Point of application		Measuring range	Sensor
Outlet	Free chlorine	Low: 0 to 0.5 mg/l	CCS51D-AA11AD
	Chlorine dioxide	Low: 0 to 0.5 mg/l	CCS50D-AA11AD
Network protection	Free chlorine	Low: 0 to 0.5 mg/l	CCS51D-AA11AD
	Chlorine dioxide	Low: 0 to 0.5 mg/l	CCS50D-AA11AD
Oxidation	Ozone	Drinking + process water	CCS58D-AA11AC



Point of application		Measuring range	Sensor
Inlet/outlet	Free chlorine	0 to 5 mg/l	CCS51D-AA11AD
	Free bromine	0 to 2 mg/l	CCS55D-AA31AD
	Ozone	Drinking + process water	CCS58D-AA11AC
Hot tub	Free chlorine	0 to 7 mg/l	CCS51D-AA11BF
	Free bromine	0 to 2 mg/l	CCS55D-AA31BF
	Ozone	Drinking + process water	CCS58D-AA11AC



Point of application		Measuring range	Sensor
Bottle cleaning	Free chlorine	0.2 to 150 mg/l	CCS51D-AA11**
	Chlorine dioxide	0.2 to 150 mg/l	CCS50D-AA11**
	Ozone	Drinking + process water	CCS58D-AA11AC
Food washing	Free chlorine	0.2 to 150 mg/l	CCS51D-AA11**
	Chlorine dioxide	0.2 to 150 mg/l	CCS50D-AA11**
Process water	Free chlorine	Low	CCS51D-AA11AD
	Chlorine dioxide	Low	CCS50D-AA11AD
Equipment cleaning	Free chlorine	0 to 100 mg/l	CCS51D-AA11CJ
	Chlorine dioxide	0 to 100 mg/l	CCS50D-AA11CJ
Food transport with water	Free chlorine	200 mg/l and higher	CCS51D-AA11CJ
	Chlorine dioxide	200 mg/l and higher	CCS50D-AA11CJ
Fish farming	Free bromine	Full range: 0 to 200 mg/l	CCS55D-AA31**

Wastewater



Point of application		Measuring range	Sensor
Discharge water	Free chlorine	Low	CCS51D-AA11AD
	Total chlorine	Low	CCS120D-AA21AE with immersion assembly
Effluent	Ozone	Process + wastewater	CCS58D-AA21AC
Industrial wastewater	Free chlorine	Low	CCS51D-AA11AD
	Total chlorine	Low	CCS120D-AA21AE



plants

Point of application		Measuring range	Sensor
Hygienic packaging	Free chlorine	0 to 5 mg/l	CCS51D-AA11AD
	Chlorine dioxide	0 to 5 mg/l	CCS50D-AA11AD
Equipment cleaning	Free chlorine	0 to 50 mg/l	CCS51D-AA11CJ
	Chlorine dioxide	0 to 50 mg/l	CCS50D-AA11CJ
Process water	Free chlorine	Low	CCS51D-AA11AD
	Chlorine dioxide	Low	CCS50D-AA11AD
	Free bromine	0 to 20 mg/l	CCS55D-AA31BF
	Ozone	Drinking + process water	CCS58D-AA11AC
Cooling water	Chlorine dioxide	0 to 5 mg/l	CCS51D-AA11CJ
	Free bromine	0 to 5 mg/l	CCS55D-AA31 BF
	Ozone	Process + wastewater	CCS58D-AA21AC

Seawater



Point of application		Measuring range	Sensor
Desalination	Free bromine	0 to 5 mg/l	CCS55D-AA31BF

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