

Free Chlorine Technology Comparison Chart

FEATURE	DPD	MEMBRANE	KUNTZE	KUNTZE ADVANTAGE
Sensor Technology	Colorimetric	Membrane Sensor Sensor Amperometric	Bare Sensor Amperometric	<i>High confidence in chlorine measurement</i>
Sensor Cleaning	No	No	(ASR) [®]	<i>Labor <u>reduction</u></i>
Replacement Membrane Cap	No	Yes	No	<i>Remove replacement part, gain more durable measurements</i>
Reagents/ Electrolyte	Yes	No	No	<i>No waste stream</i>
Consumables	Yes	Yes	No	<i>Labor <u>reduction</u></i>
Response Time After 0mg/l Of Cl₂	Interval Based - 150 Seconds	Will Not Respond As Expected	t90 = 20 seconds	<i>Sensor does not go to sleep when exposed to extended periods of time with low Cl₂</i>
Bubble Influence	Yes	Yes	No	<i>Confidence in chlorine measurement</i>
Scheduled Replacement Parts	30 Days	90 Days	> 365 Days	<i><u>Reduce</u> time required to provide routine service</i>
Service	Strongly recommends service contract	No - but service contract recommended	No service contract required	<i><u>Reduce</u> need to rely on third party's schedule</i>
Sample Line Flow Control	Yes	No	Yes	<i>Eliminates potential fluctuations, resulting in confident monthly reports</i>
pH Measurement	No	Sometimes	0-14 pH range for monitoring and control	<i>Increased process insight</i>
Pressure	< 2 psi	< 5 psi	Up to 87 psi	<i>Not pressure sensitive</i>

