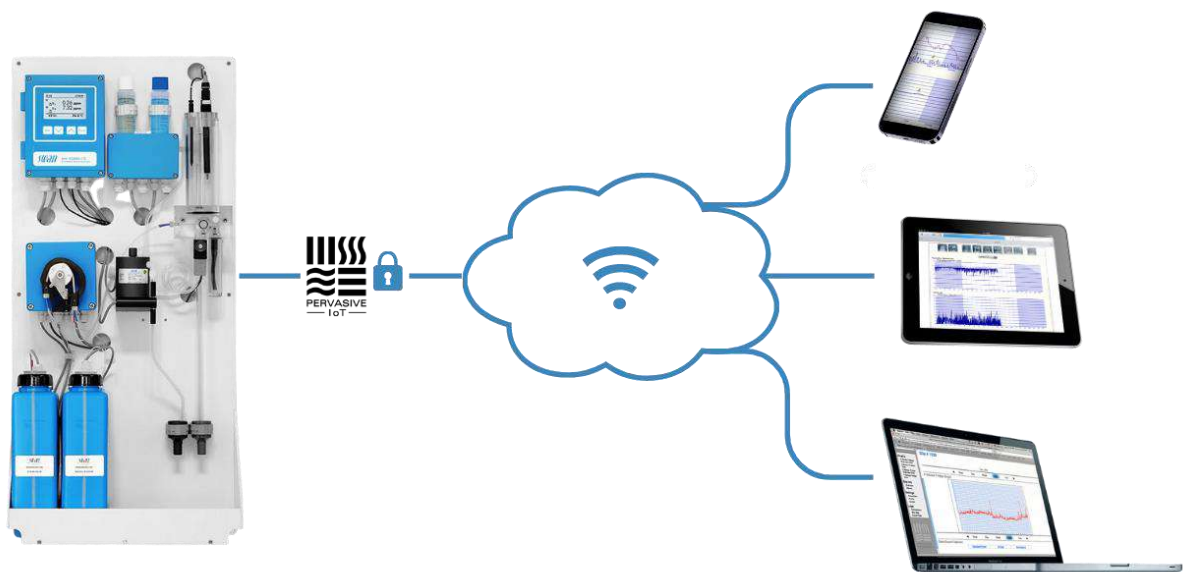# Swan Analytical AMI Codes-II TC
TOTAL CHLORINE ANALYSER

The Swan AMI Codes II TC analyser provides fully automated total chlorine readings from the RO plant every 15 minutes. A continuous sample is taken after carbon 1 and automatically measured using the colorimetric method. The information is relayed to staff in the ward via the Pervasive Telemetry platform.

To view the information, you'll need to be logged into the Pervasive Telemetry system. A login will be provided to your NUM. The information can be viewed on a computer, tablet or mobile phone.

Once logged in, the graphs will appear.

Graph 1:   Total Chlorine Level
Graph 2:   Flow Rate At Analyser
Graph 3:   Photometer Performance – (Hz)

Graph 1 enables staff to see any increasing or decreasing trends in total chlorine levels between carbon 1 and carbon 2.

Graph 2 shows the number of bubbles per second flowing through the photometer. This is important to the operation of the analyser as the bubbles indicate that flow is present, and the system is operating.
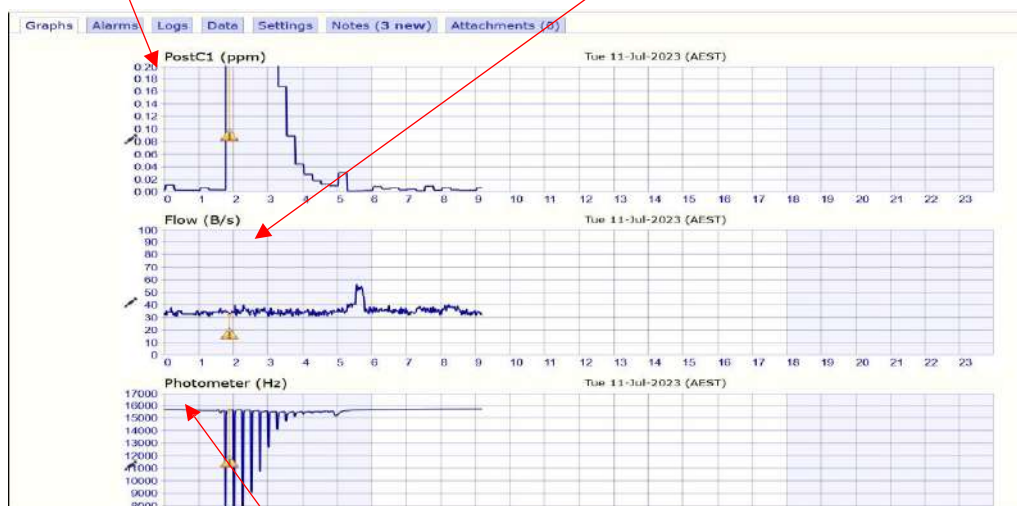
Graph 3 shows the spectral intensity of the photometer. This is crucial as any degradation to the photometer will have an impact on the total chlorine readings.

Please note: The Codes II TC Analyser is fitted with an automatic cleaning module. This is scheduled to complete a cleaning cycle every day at 12am midnight. The unit automatically flushes at the completion of the cleaning cycle so will not affect daily operations. Carbon Filter 2 backwash may cause high level alarm trigger, this is normal.

Alarms

The Alarms tab shows a record of all alarms recorded. This can be cleared if required.

		Time (AEST)	Message	Comment
			Clear Selected Alarms...	Clear All Alarms...	
☐		11-Jul-2023 01:52:35	**Post C1 CL high** ▬▬▬▬. Level:1.32111	
☐		07-Jul-2023 14:02:48	**FlowSlow** ▬▬▬. Flow:0 B/s	
☐		07-Jul-2023 14:02:48	**FOME dirty warning @0**	

Graphs | Alarms | Logs | Data | Settings | Notes (3 new) | Attachments (0)

Logs

The Logs tab will show a record of times a sample is taken.

Graphs | Alarms | Logs | Data | Settings | Notes (3 new) | Attachments (0)

Time (AEST)	Samples	Alarms	Updated	IP Address	Tx	Rx	Err	Sig	Seria
11-Jul-2023 10:16:18	10			10.186.165.40	471	36		32%	
11-Jul-2023 10:06:36	11			10.186.165.40	611	62		30%	
11-Jul-2023 09:55:28	39			10.186.165.40	1262	98		34%	
11-Jul-2023 09:16:18	5			10.186.165.40	255	36		34%	
11-Jul-2023 09:10:56	55			10.186.165.40	2417	134		32%	
11-Jul-2023 08:16:19	60			10.186.165.40	2421	108		34%	
11-Jul-2023 07:16:19	11			10.186.165.40	939	36		32%	
11-Jul-2023 07:05:33	49			10.186.165.40	1730	98		34%	
11-Jul-2023 06:16:18	18			10.186.165.40	687	36		30%	
11-Jul-2023 05:58:50	42			10.186.165.40	1262	98		32%	

Data

The Data tab shows a record of total chlorine levels, flow and photometer (Hz) by time.

Graphs | Alarms | Logs | Data | Settings | Notes (3 new) | Attachments (0)

Time (AEST)	PostC1 (ppm)	Flow (B/s)	Photometer (Hz)	CleaningSolution (%)	RunMode	RawCL (ppm)	En
11-Jul-2023 10:16:00	0.005258	32.9089	15697	100	0	0.005258	
11-Jul-2023 10:15:00	0.005258	33.033	15701	100	0	0.005258	
11-Jul-2023 10:14:00	0.005258	33.964	15701	100	0	0.005258	
11-Jul-2023 10:13:00	0.005258	36.7211	15701	100	0	0.005258	
11-Jul-2023 10:12:00	0.005258	35.1463	15702	100	0	0.005258	
11-Jul-2023 10:11:00	0.005258	35.9587	15701	100	0	0.005258	
11-Jul-2023 10:10:00	0.005258	33.133	15701	100	0	0.005258	
11-Jul-2023 10:09:00	0.005258	33.4118	15702	100	0	0.005258	
11-Jul-2023 10:08:00	0.005258	33.3963	15702	100	0	0.005258	
11-Jul-2023 10:07:00	0.005258	34.0412	15702	100	0	0.005258	
11-Jul-2023 10:06:00	0.005258	35.6399	15702	100	0	0.005258	

Settings
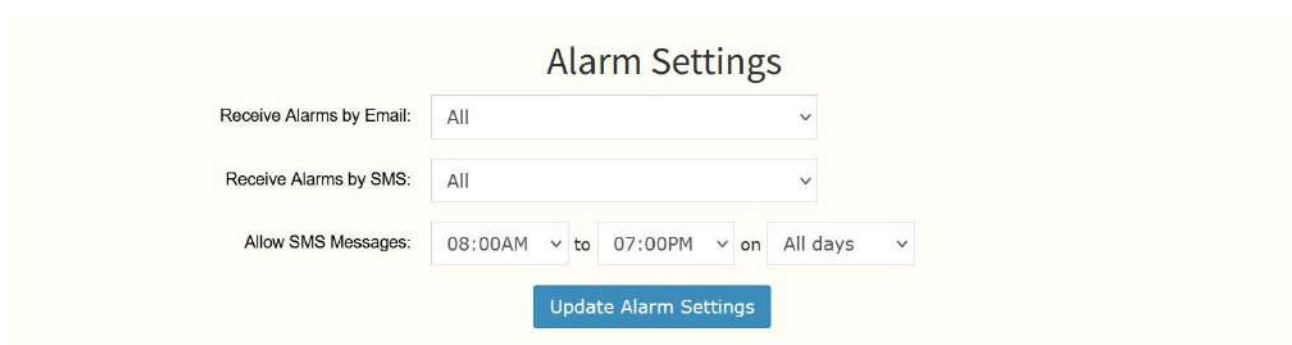
The Settings tab enables users to change general information, variables and alarms.

You are able to select how you would like to receive alarms (by Email and/or SMS). You are also able to nominate times that you would like to receive alarms and block out times when you do not want to receive alarms.