Quick Reference Card For APA 6000™ Process Analyzer

Displaying Data on the AquaTrend® Interface

Connecting a Measurement to a Channel

Sensors connected to the AquaTrend network can report one or more measurements, depending on the type of sensor. To display sensor readings, each sensor measurement must be attached to one of eight AquaTrend channels.

AQUATREND MENU	DISPLAY SETUP	MEASUREMENT TO CHANNEL	Select **ATTACH.** Select the appropriate sensor. Select the measurement (if appropriate). Select the channel.
			DETACH

Reviewing the Alarm Log

When a sensor alarm is activated, a number is highlighted at the bottom of the AquaTrend display. When a network or AquaTrend alarm is activated, the letter "**N**" is highlighted at the bottom of the display. Check alarm details as follows.

MAIN MENU	ALARM LOG	Select an alarm group: **1** through **8** for sensor alarms or **N** for network or AquaTrend alarms	List of last 14 alarms will be displayed. Use the up or down arrow keys to highlight the alarm of interest and press **ENTER** to review details of the alarm or press **EXIT** to cancel.	Active alarms cause the corresponding alarm indicator to be illuminated at the bottom of the display. All alarms are shown in the log.

Setting Up the AquaTrend Display Features

Display Settings

The **DISPLAY SETUP** menu lets you adjust the contrast setting and customize several display options. Press the **DISPLAY** key from any menu to display data. Use the right and left arrow keys to change the number of channels shown on the display. Press the up or down arrows to change the active channel designation. Press the **ENTER** key for a single channel display.

AQUATREND MENU	DISPLAY SETUP	CONTRAST LEVEL: 0 TO 24	Pressing the up arrow key increases the value, and pressing the down arrow key decreases the value. Press **ENTER** to confirm the setting, or press **EXIT** to cancel.
	LANGUAGE		Select English, French, German, Spanish, or other langauge listed on the display.

Time/Date Setting

The current time and date have been factory set in the analyzer, but the time may need to be adjusted to your time zone.

AQUATREND MENU	SET TIME/DATE	SET TIME	Press the up arrow key to increase the setting, and press the down arrow key to decrease the setting. When the digits display the correct value, press the right arrow key and set the next set of digits. Press **ENTER** to accept the setting, or press **EXIT** to cancel.
		SET DATE	
		DAY:	Select from a list of choices and press **ENTER** to accept.
		DATE FORMAT : MM/DD/YY, DD/MM/YY	

Graph Time Display Settings

Press the **DISPLAY** key to view the data graph screen. The AquaTrend® Interface can display the data collected in graphical form over the past 60 minutes, 24 hours, or 30 days. Graph time appears on the x-axis (horizontal axis) with the sensor value on the y-axis (vertical axis).

AQUATREND MENU	DISPLAY SETUP	CHANNEL GRAPH SETTINGS Select channel Select Time Base	60 MIN (default setting)	Default time is 60 minutes, but time can also be set for 24 hours and 30 days. The selected graph time will appear for a specific channel on the x-axis on the graph each time a graph is displayed.
			24 HR	
			30 DAY	

Performing and Reviewing Grab Samples

MAIN MENU	SENSOR MENU Select appropriate APA sensor	MEASUREMENT OPTIONS	Select **GRAB SAMPLE** and press **ENTER**. Select **MEASURE GRAB SAMPLE**. Pour sample into grab sample port after instrument prompt. Press **ENTER** at **RETURN** prompt.
			Select **GRAB SAMPLE** and press **ENTER**. Select **GRAB SAMPLE HISTORY** and press **ENTER**. The latest grab sample is displayed. To review more, select **REVIEW NEXT GRAB**, and press **ENTER.**

Sequencing Sample Streams

MAIN MENU	SENSOR MENU	MEASUREMENT OPTIONS	SAMPLE SEQUENCE	Lists Steps 1-8. For each step, choose UNUSED or the sample stream number (i.e., Sample 1). Analyzer stops at first UNUSED step and repeats the sequence.

Selecting Calibration Options

MAIN MENU	SENSOR MENU Select appropriate APA sensor	CALIBRATION	AUTO CAL SETUP	**AUTOCAL:** Options include off, 12 hours, every day, Mon, Tue, Wed, Thu, Fri, Sat (default setting highlighted). Default is every day.
				AUTO-CAL TIME: Enter time; default is 1:00 a.m.
			EXECUTE CALIBRATION	Performs a calibration
			CAL HISTORY	Shows date, time, Standard 1 reading, slope reading for last 7 calibrations.

Setting Solution Levels, Priming, and Cleaning

MAIN MENU	SOLUTIONS & CLEANING	SOLUTION LEVELS	STANDARD 1: Level %
			STANDARD 2: Level %
			REAGENT 1: Level %
			CLEANER: Level %
			RESET ALL TO 100%
		PRIMING	PRIME ENTIRE SYSTEM NOW
			PRIME REAGENTS NOW
			PRIME STANDARDS NOW

Setting Up Alarms

MAIN MENU	SENSOR MENU	ALARM SETUP	ALA: [Sample name, Alarm type]	TYPE: High, Low, Rate, Sensor Warning, Sensor Alarm, Air Backflush, Sample Pump
				MEAS: [Sensor measurement] (setpoint alarms only)
				SET POINT: [Legal value] (setpoint alarms only)
				ENABLED: Yes, No (configured alarms only)
				MEAS FAIL ACTION: Off, On Hold (setpoint alarms only)
			ALB: [Sample name, Alarm type]	Same as above
			AL1 through AL12 [Sample name, Alarm type]	Same as above

Setting Up Recorders

MAIN MENU	SENSOR MENU	RECORDER/CONTROL SETUP	TYPE	Recorder
			MEAS	Select the measurement to be recorded.
			MIN	Adjusts the minimum measurement value that corresponds to the minimum recorder output.
			MAX	Adjusts the maximum measurement value that corresponds to the maximum recorder output.
			ENABLED	Yes to enable the recorder; No to disable the recorder.

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