

12.1 Troubleshooting Worksheet

12.1.1 General Information

Unit Serial Number:		
Description of Problem:		
Date / Time problem started:		
Describe any analyzer physical damage:		
Excitation Filter:		Emission Filter:
Lamp:		Date of Last Calibration:
Home Screen Display	System-Function Alarm	Sample Level Alarm
<input type="checkbox"/> PPM	<input type="checkbox"/> Cycles ON and OFF	<input type="checkbox"/> Cycles ON and OFF
<input type="checkbox"/> PPB	<input type="checkbox"/> Stays ON	<input type="checkbox"/> Stays ON
<input type="checkbox"/> No Unit	<input type="checkbox"/> Stays OFF	<input type="checkbox"/> Stays OFF
If "ALM" is blinking press <ESC> and record active alarms.		
<input type="checkbox"/> System	<input type="checkbox"/> ZeroAlm:	<input type="checkbox"/> ErlyWrn <input type="checkbox"/> HighAlm

12.1.2 Physical Inspection

Is the main power switch on?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Date the analyzer was last cleaned:		
Analyzer was last cleaned with:	<input type="checkbox"/> Acid	<input type="checkbox"/> Detergent <input type="checkbox"/> Water & Brushes
Tug each wire terminated to the analyzer terminal strip to confirm solid connection. If any are loose, record them		

12.1.3 System Values Record

Access Keystrokes	System Value	Value
<HOME><0><1>	High Standard Concentration	
<HOME><0><2>	Low Standard Concentration	
<HOME><1>	Concentration Units	
<HOME><2>	Relay A & Relay B Shelf State	Relay A: Relay B:
<HOME><3>	Zero Alarm	Monitor: Level:
<HOME><4>	Early Warning Alarm	Monitor: Level:
<HOME><5>	High Alarm	Monitor: Level:
<HOME><6>	Alarm Delay	
<HOME><7>	Analog Output Low Limit (4 mA)	
<HOME><8>	Analog Output High Limit (20 mA)	
<HOME><9>	Relay A & Relay B Status	Relay A: Relay B:
<HOME><?>	Software Version	
<HOME><<←>	Alarm History	<input type="checkbox"/> System: <input type="checkbox"/> ZeroAlm: <input type="checkbox"/> ErylWrn: <input type="checkbox"/> HighAlm:
<HOME><ENT><2>	Calibration Standard Readings	High Standard: Low Standard:
<HOME><ENT><2><ENT>	Calibration Slope and Intercept	Slope: Intercept:
<HOME><*>	Record Analyzer Diagnostics	Lamp: RPM: HV: Din:
<HOME><*><ENT>	Record Raw Fluorescence	Raw: %FS:
<HOME><*><ENT><ENT><1>	Toggle Relay A by pressing <ENT> repeatedly.	The external alarm / device switches on and off? <input type="checkbox"/> YES <input type="checkbox"/> NO
<HOME><*><ENT><ENT><2>	Toggle Relay B by pressing <ENT> repeatedly.	The external alarm / device switches on and off? <input type="checkbox"/> YES <input type="checkbox"/> NO
See Section 7.37	Cell Condition	Number of light flashes:
See Section 7.41	Cell Condition Alarm Threshold	Number of light flashes:
See Section 7.42	Cell Condition Alarm Delay	Number of light flashes:
See Section 7.43	Cell Condition Alarm Enable	Green light or red light:

See Section 7.44	Flow Cell Auto Clean Toggle	Green light or red light
See Section 7.45	Cleaning Cycle Duration	Number of light flashes:
See Section 7.48	Analog Output Scaling	Number of light flashes: