



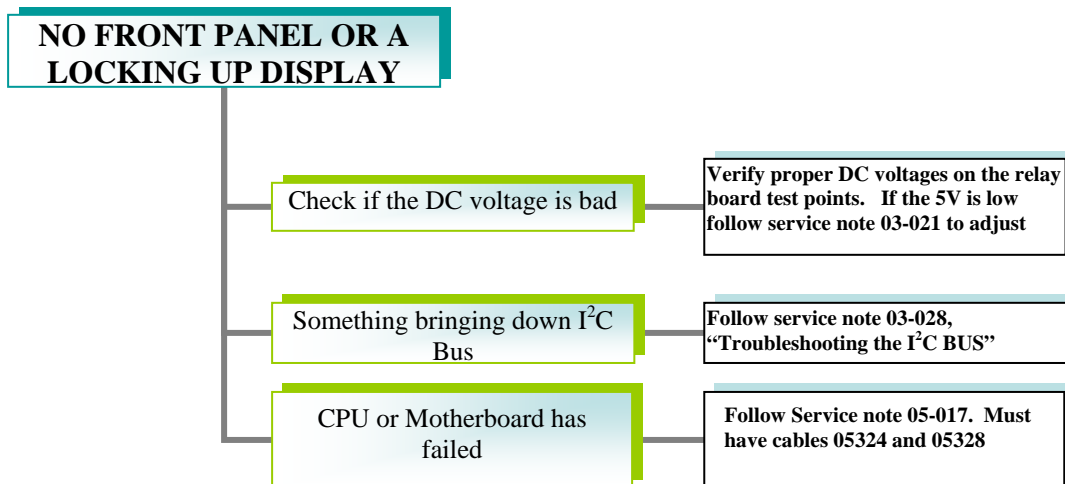
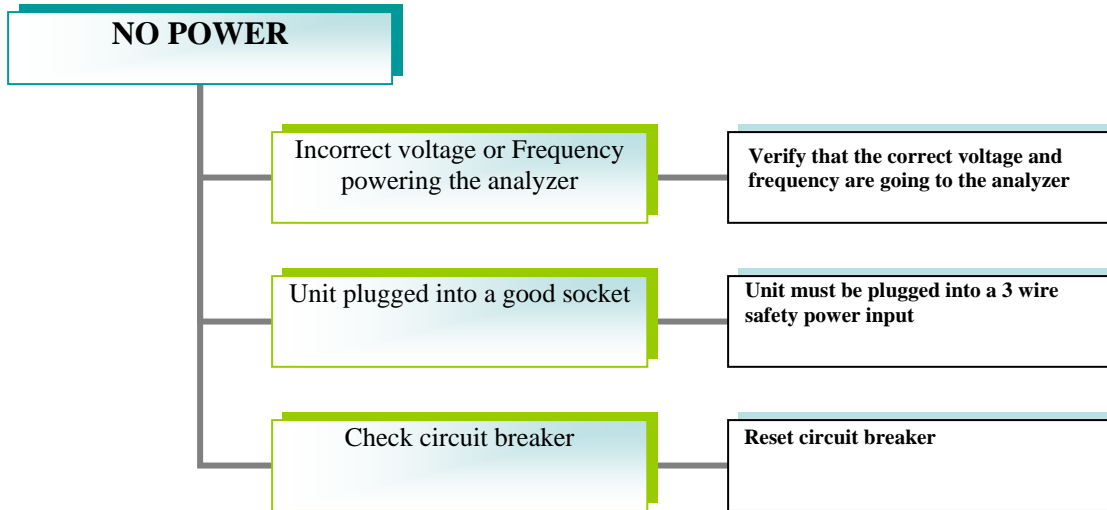
05-026A  
28 February 2006

**M300E TROUBLESHOOTING TREE**

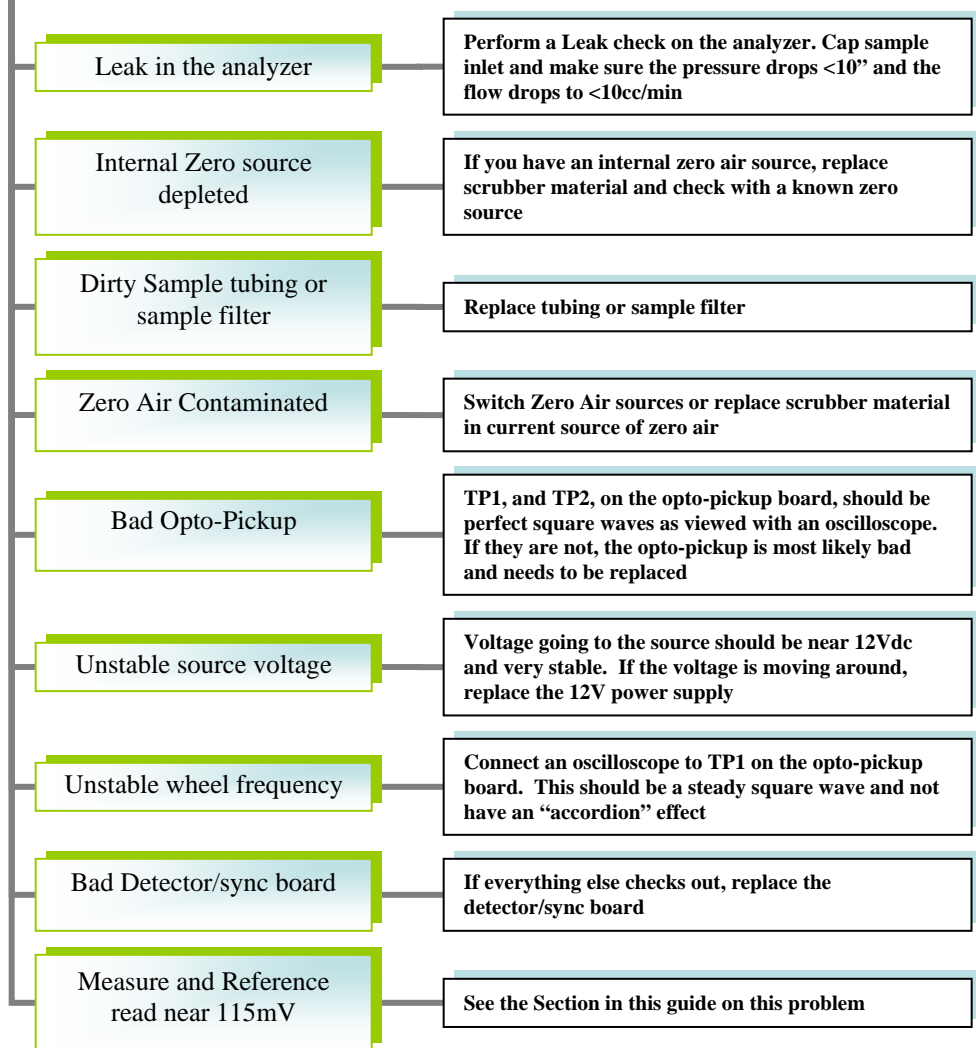
- I. PURPOSE:**  
This document has the most common failures of the M300E analyzer, with possible problems and solutions
- II. TOOLS:**  
NONE
- III. PARTS:**  
NONE
- IV. PROCEDURE:**

**To use this document find the symptom of your analyzer in the list below. Then go to the appropriate page number. The problem could be anything on the list and you will want to start from the top and work your way down going through each possible cause until you find the problem.**

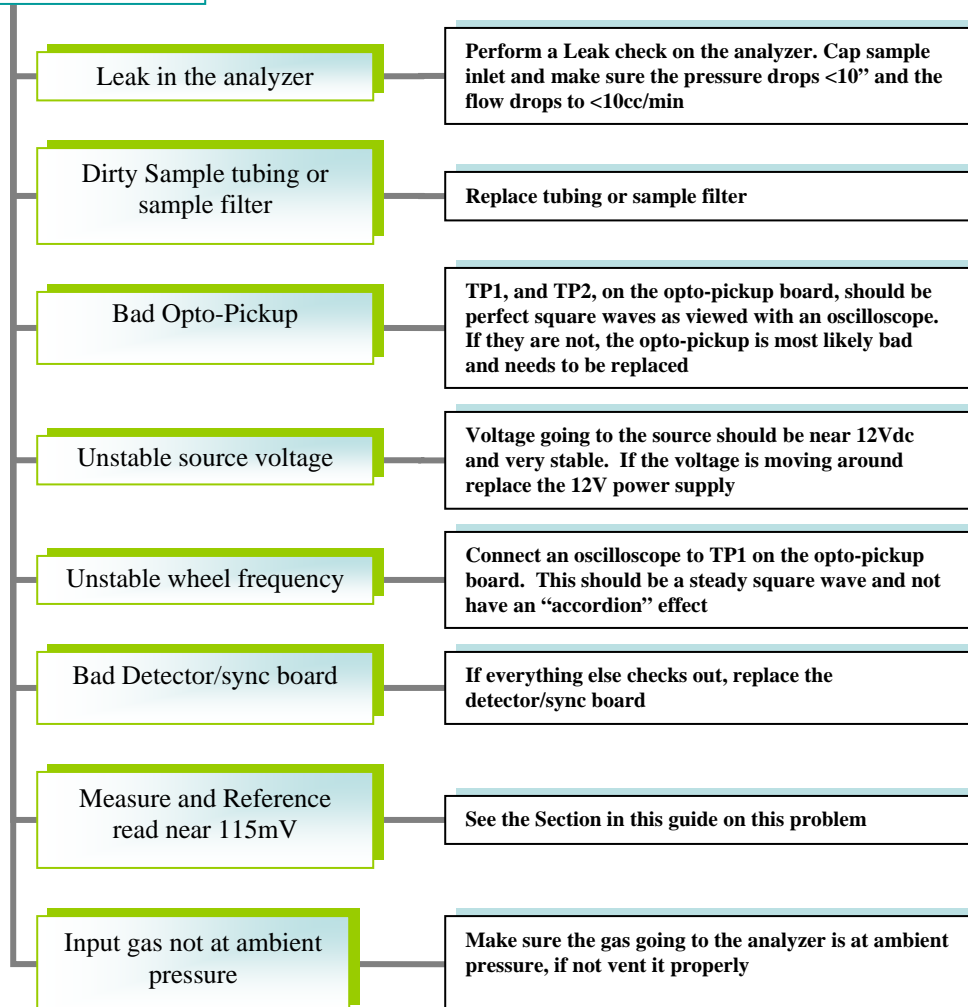
<u>Page</u>	<u>Problem</u>
2.)	No Power
2.)	No front panel or locking up Display
3.)	Unstable Reading at Zero, Zero noise
4.)	Unstable Reading at Span, Span noise
5.)	Unable to Zero (No Zero Button)
6.)	Unable to Span (No Span button or no response to Span gas)
7.)	Non-Linear Response
8.)	Slow Response to Zero or Span
9.)	No Flow
9.)	No analog or incorrect analog output
10.)	Measure and Reference both Around 115mV, Sync Warning, or Source Warning
10.)	Any Temperature Warning



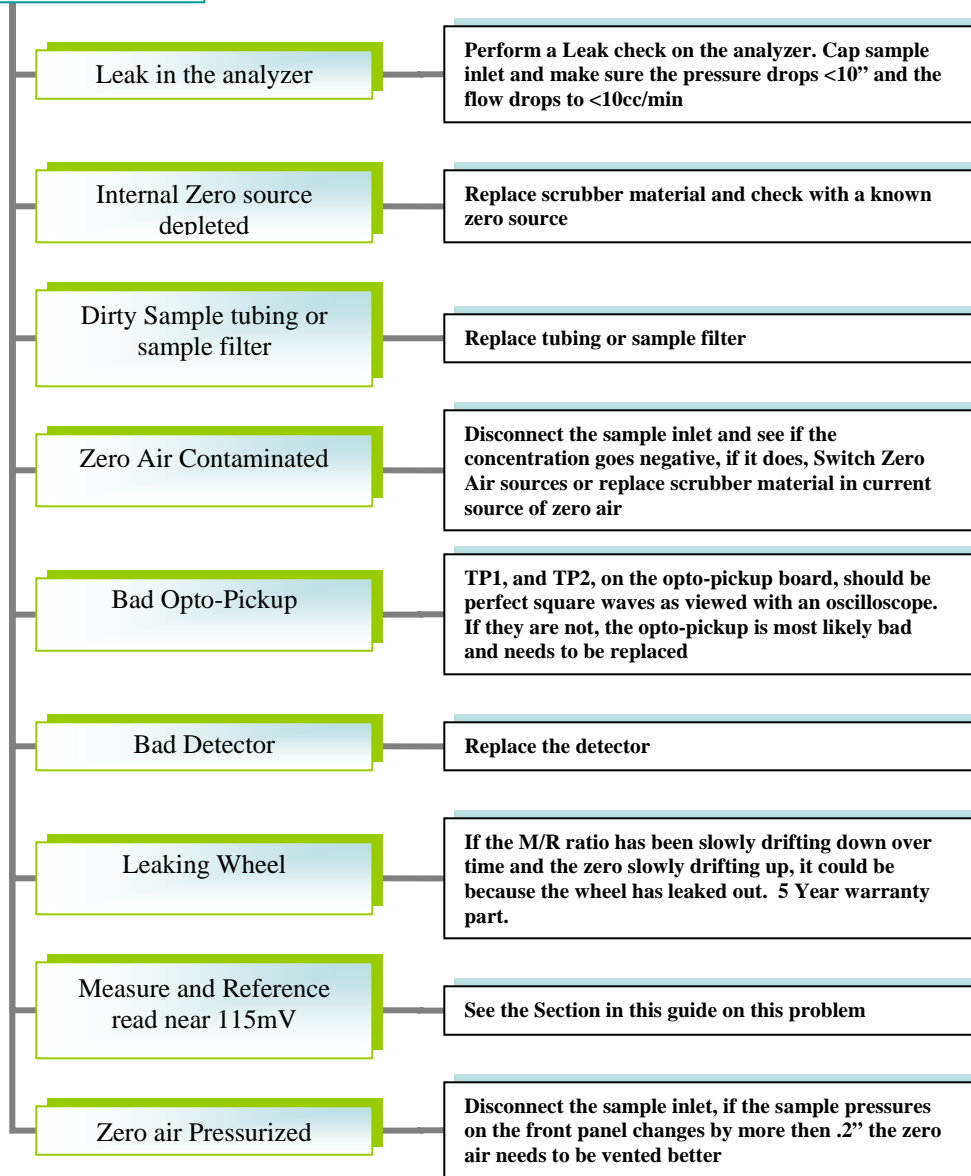
## UNSTABLE READING AT ZERO, ZERO NOISE



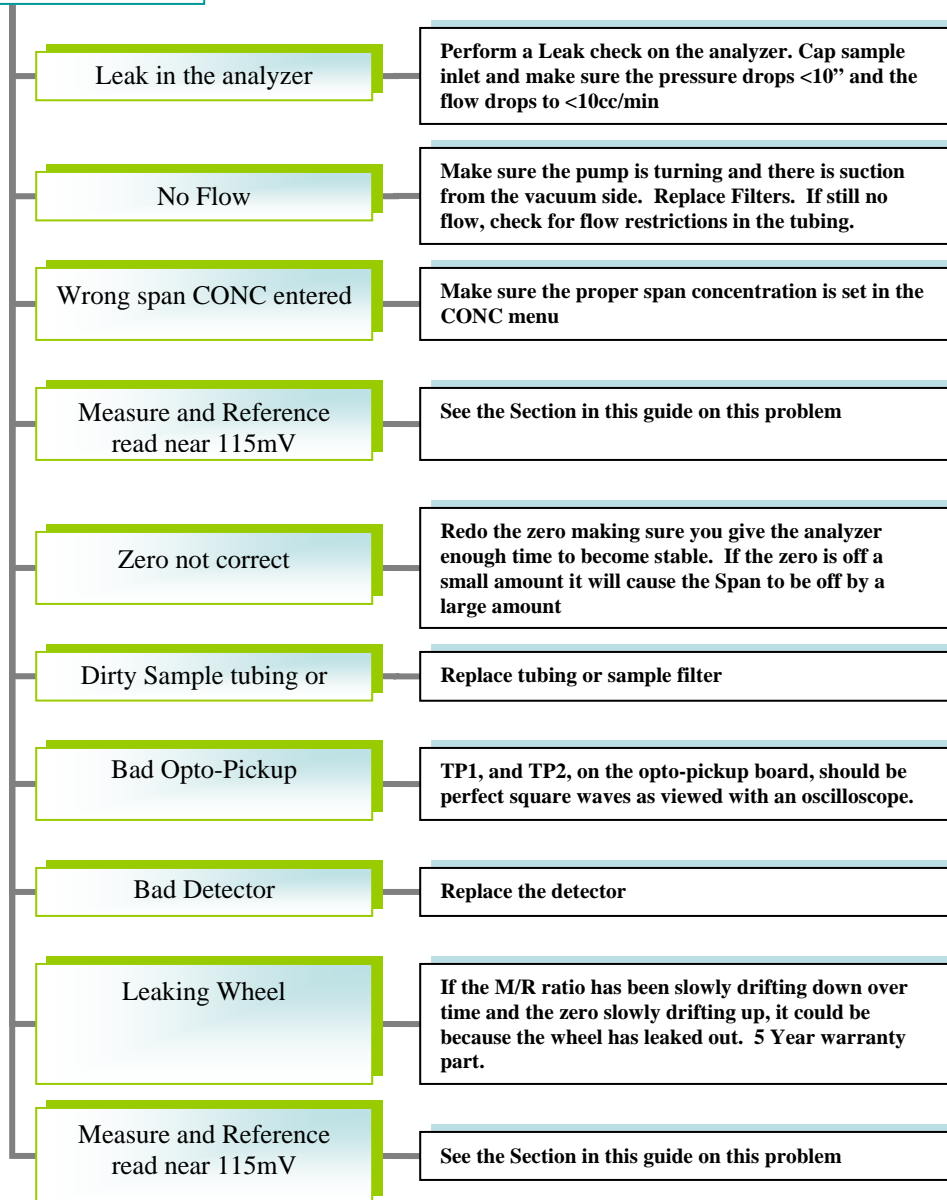
## UNSTABLE READING AT SPAN, SPAN NOISE



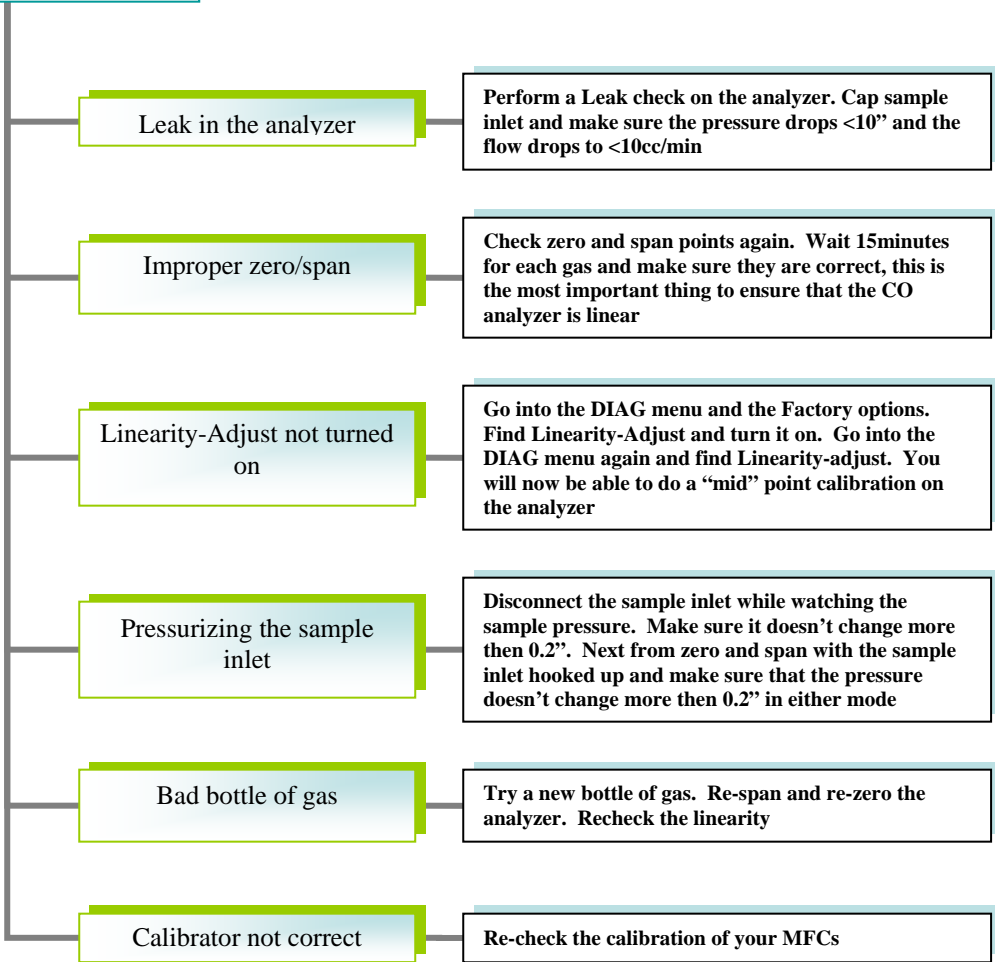
**UNABLE TO ZERO (NO ZERO BUTTON)**



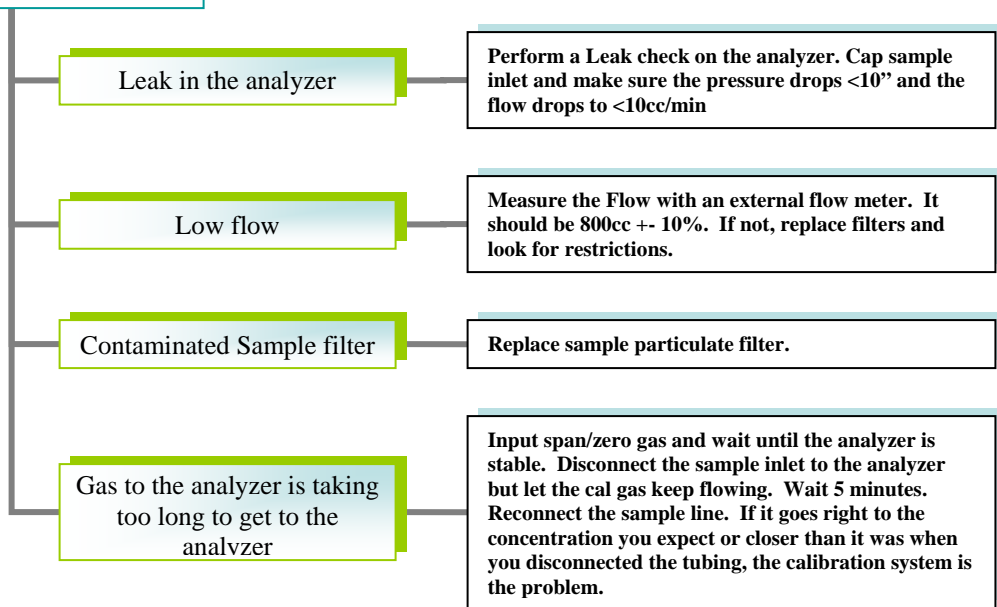
**UNABLE TO SPAN (NO SPAN BUTTON OR NO RESPONSE TO SPAN)**



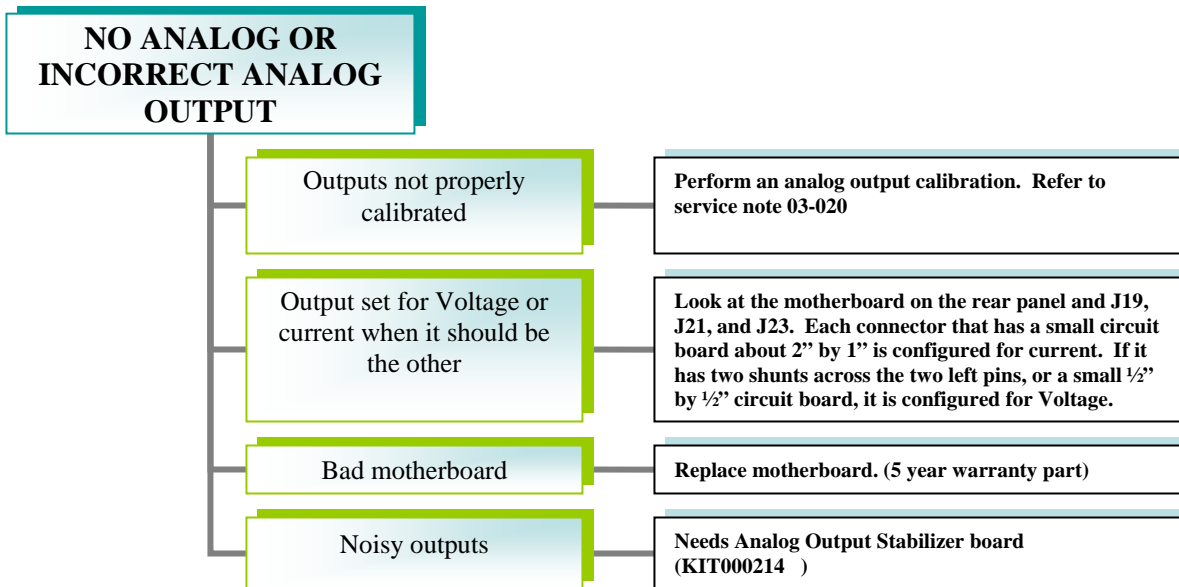
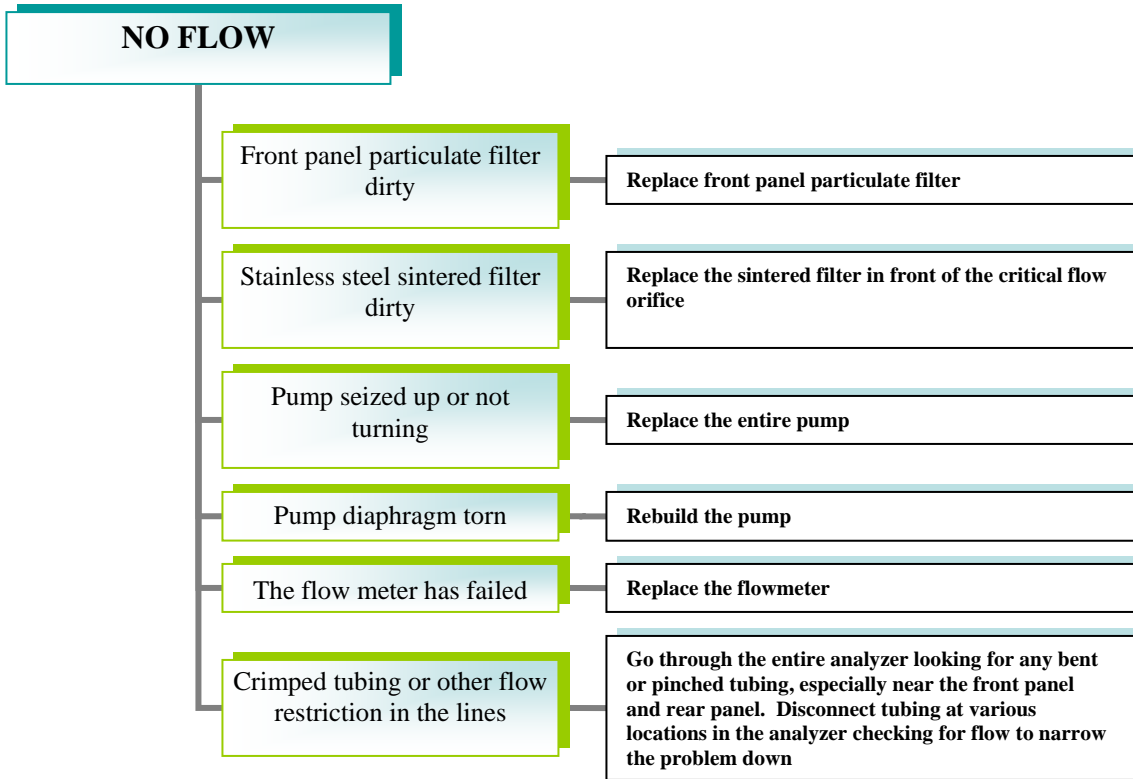
# NON-LINEAR RESPONSE



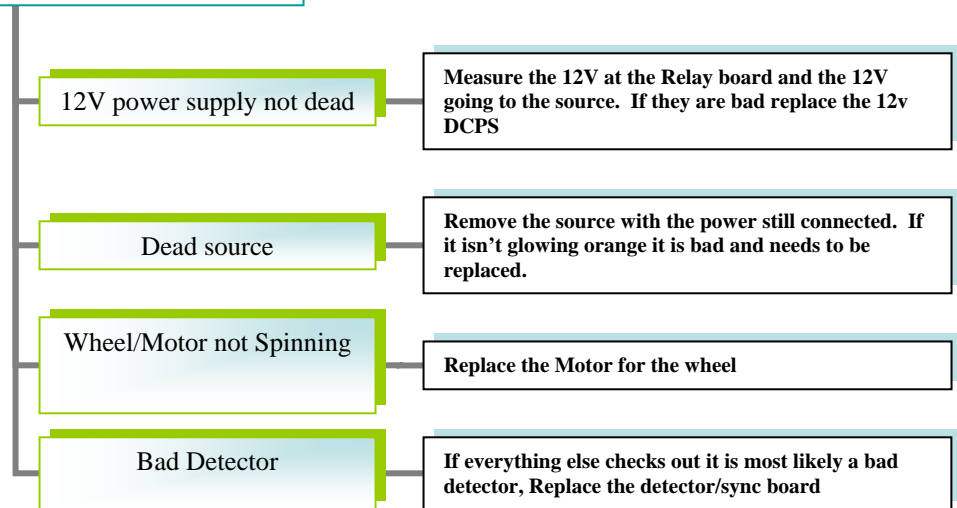
## SLOW RESPONSE TO ZERO OR SPAN







**MEASURE AND REFERENCE BOTH  
AROUND 115mV, SYNC WARNING,  
OR SOURCE WARNING**



**ANY TEMPERATURE  
WARNING**

