

**DEL MAR AVIONICS**

TO: J. Christian - Customer Service Manager  
FROM: D. Anderson - Chief Engineer, Electronics  
SUBJECT: ELIMINATION OF PIII DATA PROBLEMS  
NO.: ENG-219-81  
DATE: June 8, 1981  
CC: C. Sanctuary, R. Cherry, J. Hammond, R. Bean, K. Beverly, J. Zemar,  
M. McCall, E. Crespín, A. Wong, K. Germane, D. Squires

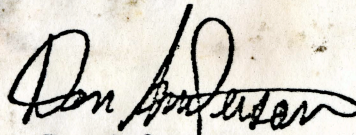
Engineering recently released a design improvement (E.O. 17660 Rev. 'M', attached) for the PIII Pressurometer which is expected to virtually eliminate customer problems relating to scrambled data, lost data and overall lockup problems.

Specifically, the symptoms which we anticipate will be eliminated are:

1. Scrambled Data - Erratic times stored in RAM results in individual or block of time entries which jump ahead or back in time.
2. Lost Data - The PIII will display pressure readings on its front panel, but no data would go into memory. This could apply to time and heart rate data, as well as blood pressure. The lost data generally would be expected to occur during the last half of the recording period, and could result either in blank portions followed by good readings, or in premature termination of the data recorded.
3. PIII Lock-Up - The PIII will not respond when connected to a 1979 Printer Plotter or a 1981/1981A.

The potential importance of this change, which is but a single resistor change, cannot be overemphasized. It is expected that at least 70% of the data transferring problems may be eliminated when this change is incorporated.

Therefore, every effort should be made to see that this change is incorporated in in-field units as expeditiously as possible, particularly whenever an I.S.R. relating to inability to obtain data exists against a customer's Pressurometer.

  
Don Anderson

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