Modification to prevent instrument resetting when inserting the SD card

Measurement made easy

1 Introduction

This document describes how to modify the processor board of SM500F instruments manufactured before September 2011 if the instrument resets when an SD card is inserted.

2 Action

- [ ] Implement when fault reported
- [ ] Implement at next service
- [ ] Information only
- [ ] Recall instruments

3 Processor board modification

If your instrument resets when an SD card is inserted, the following modification should resolve the issue. If you have any problems or are not sure about this procedure, please contact Recording & Control Technical Support.

To modify the processor board:
1. Remove the processor board as described in INFO8/006-EN
2. Remove R96 (if fitted):
3. Fit a 47uH inductor across the pins of D9 and TR1 as shown:

4. Replace C121 with a 10uF capacitor:

5. Refit the processor board as described in INF08/006-EN.

**IMPORTANT (NOTE)**
If you cannot replace the components locally, the alternative solution is to replace the processor board.