

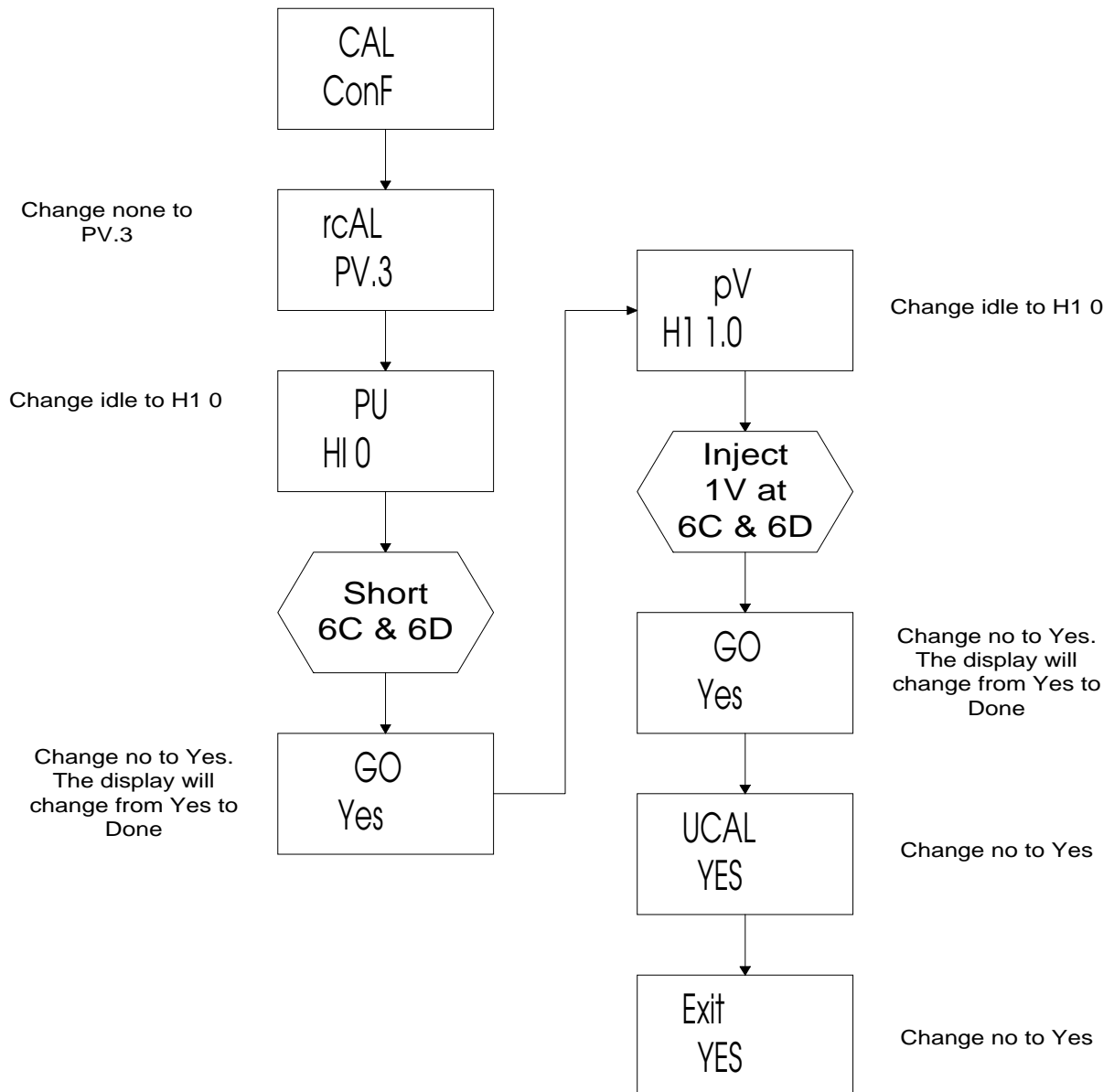
HOW DO I CALIBRATE THE PROBE MV INPUT ON AN AACC 2000 SERIES INSTRUMENT?

Calibrating the probe input on an AACC 2000 instrument is actually done in the configuration menu of the instrument. The normal calibration procedure as documented in the manual only applies to the thermocouple input. Ref to pages 81 and 82 in the manual for explanations of what the various calibration parameters do. The following procedure will explain how to calibrate the probe mV input (PV.3).

You can make a selection to do a FACT(ory) or a USER cal. If you want to restore the factory calibration simply select FACT at the PV screen in the configuration calibration menu. If you want to do a direct calibration follow the procedure below.

To perform this calibration you will need a 1.00VDC source for the span calibration. You can short the input terminals with a small wire to simulate a 0 VDC input.

Go to the Configuration menu and page to the CAL CONF menu. Follow the steps shown below.



The calibration is automatic once you change the “GO NO” to “GO YES”. Under normal conditions the prompt on the GO page will change from BUSY to DONE then back to NO. If the display changes to FAIL it may be possible your source input exceeds the input limits for the calibration selected. Verify that a 0VDC or short is attached across terminals 6C and 6D when the HI 0 process value is selected. Verify that a 1VDC signal is attached to terminals 6D and 6D when process value HI 1.0 is selected.

If a failure still occurs, replace the input module for the Probe mV input. This is a DC Input module, Marathon Sensors part number F911574-1. If a module is not available or a replacement module does not change the calibration results, call Marathon for information on how to return the instrument for repair.