

# CPEC200

Closed Path  
Eddy Covariance System

Quick Deploy Guide



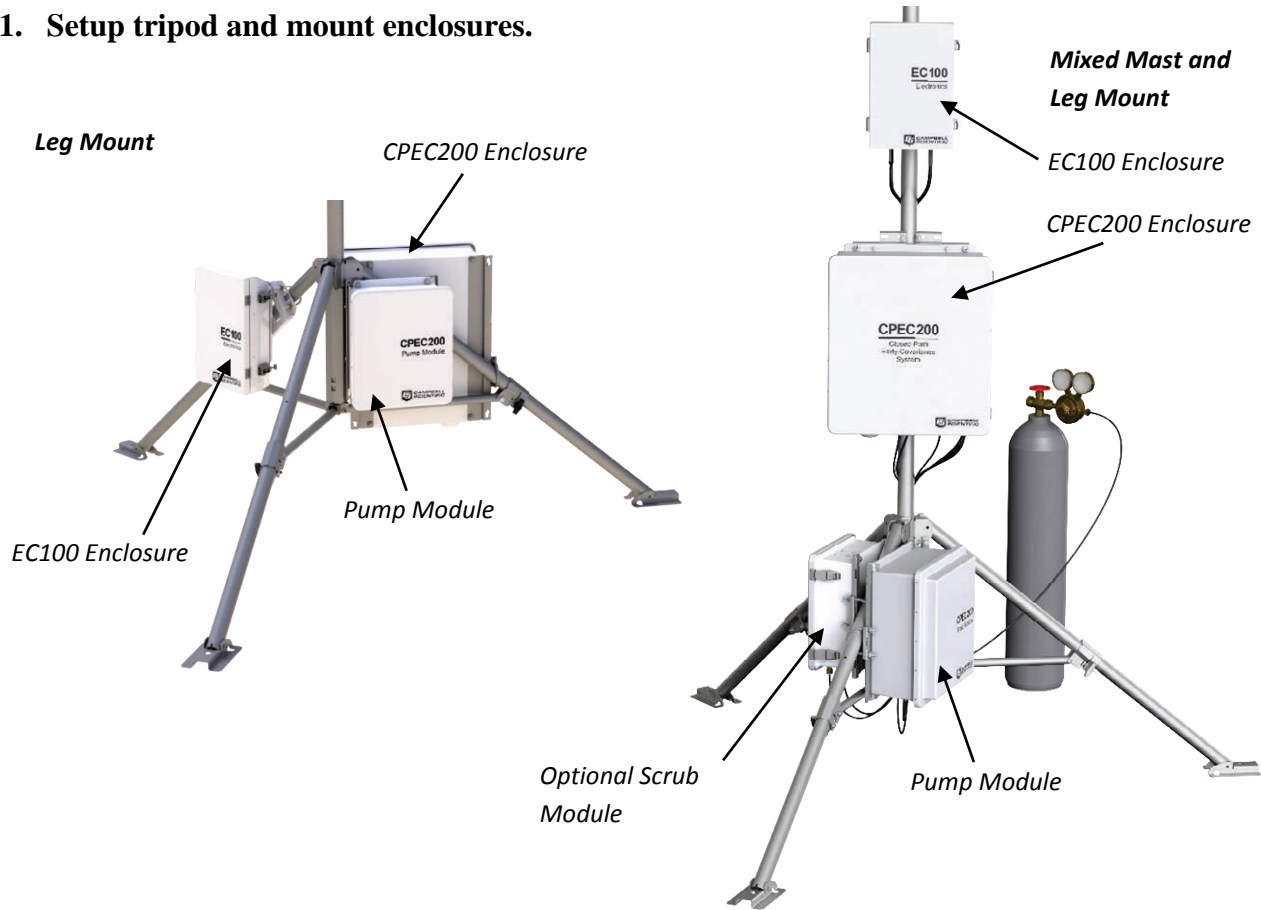
February 2016



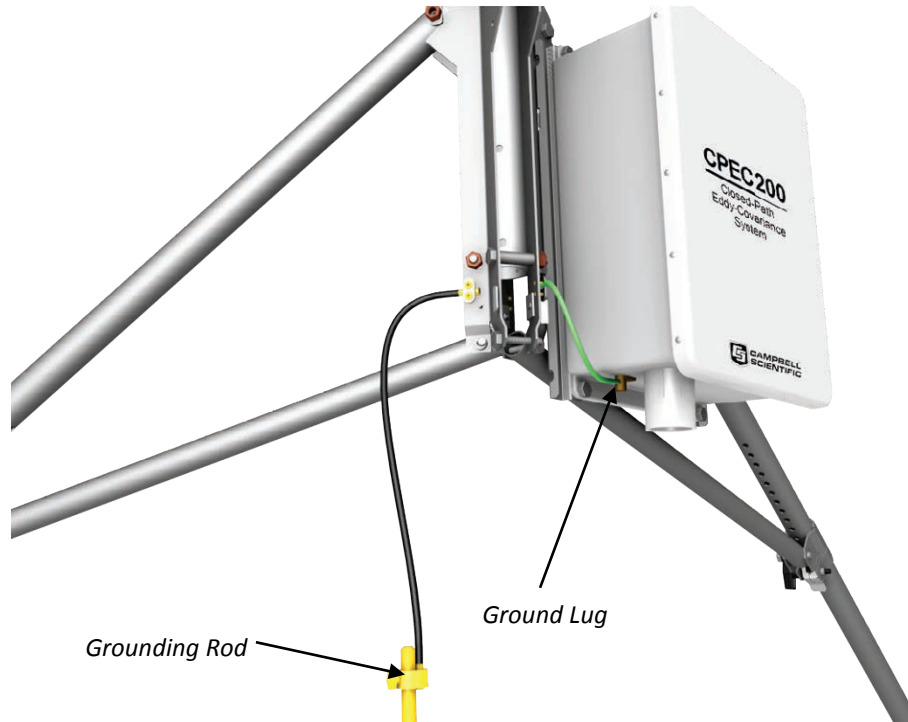
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WHEN MEASUREMENTS MATTER

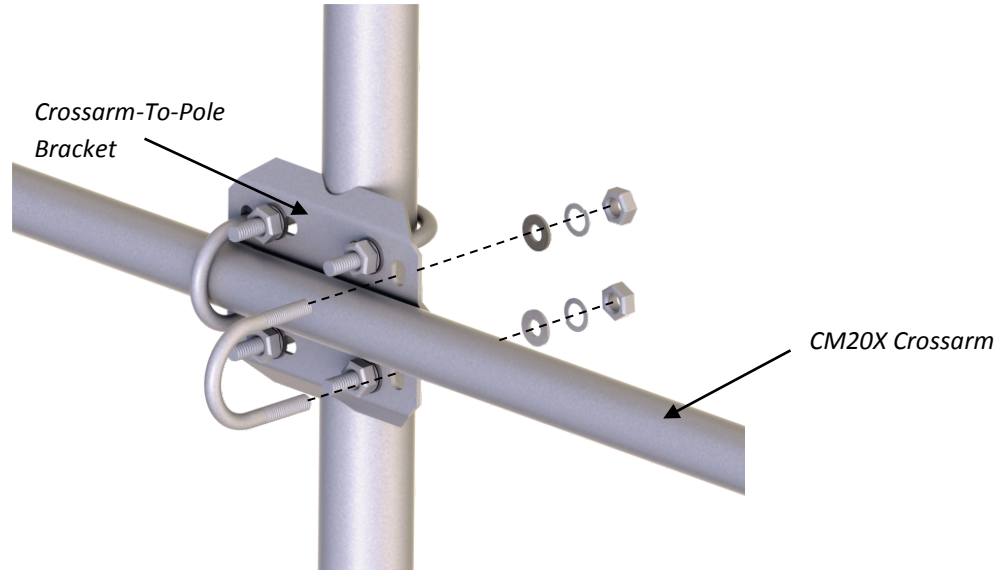
# 1. Setup tripod and mount enclosures.



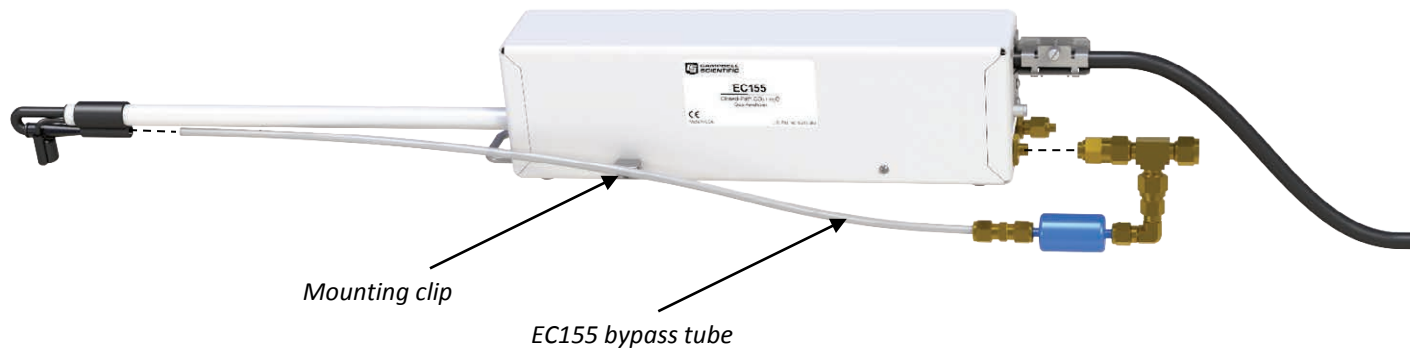
## 2. Ground tripod and enclosures.



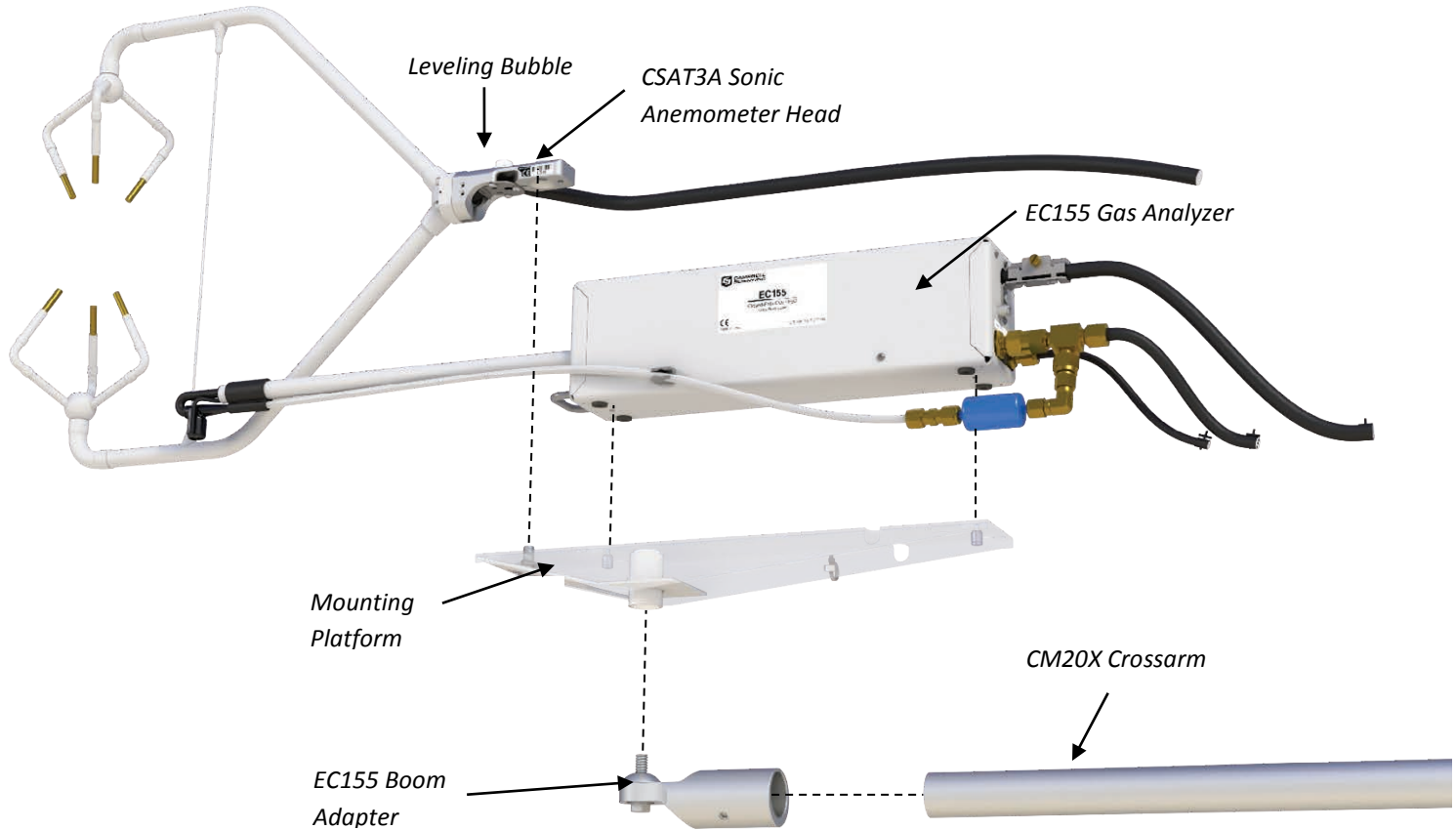
### 3. Setup tripod or mast with CM20X Crossarm.



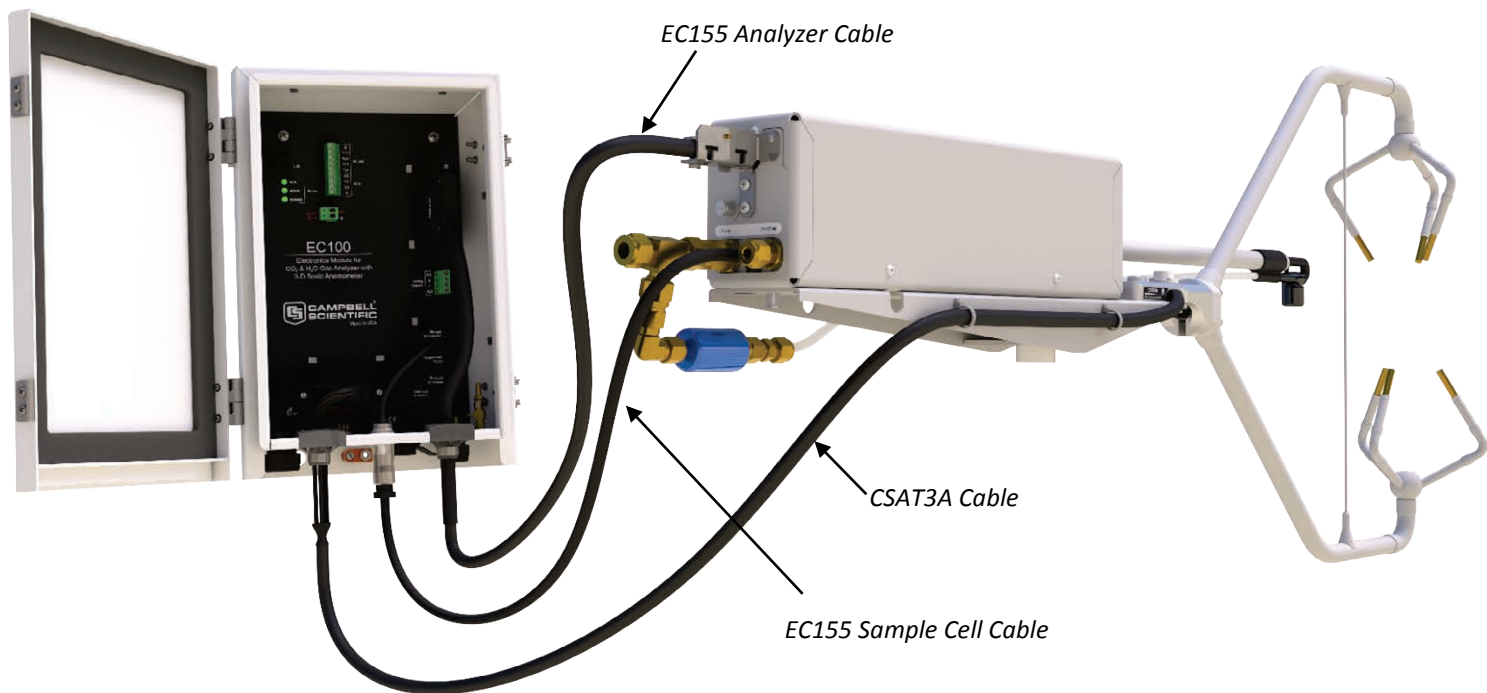
#### 4. Mount the EC155 bypass tube.



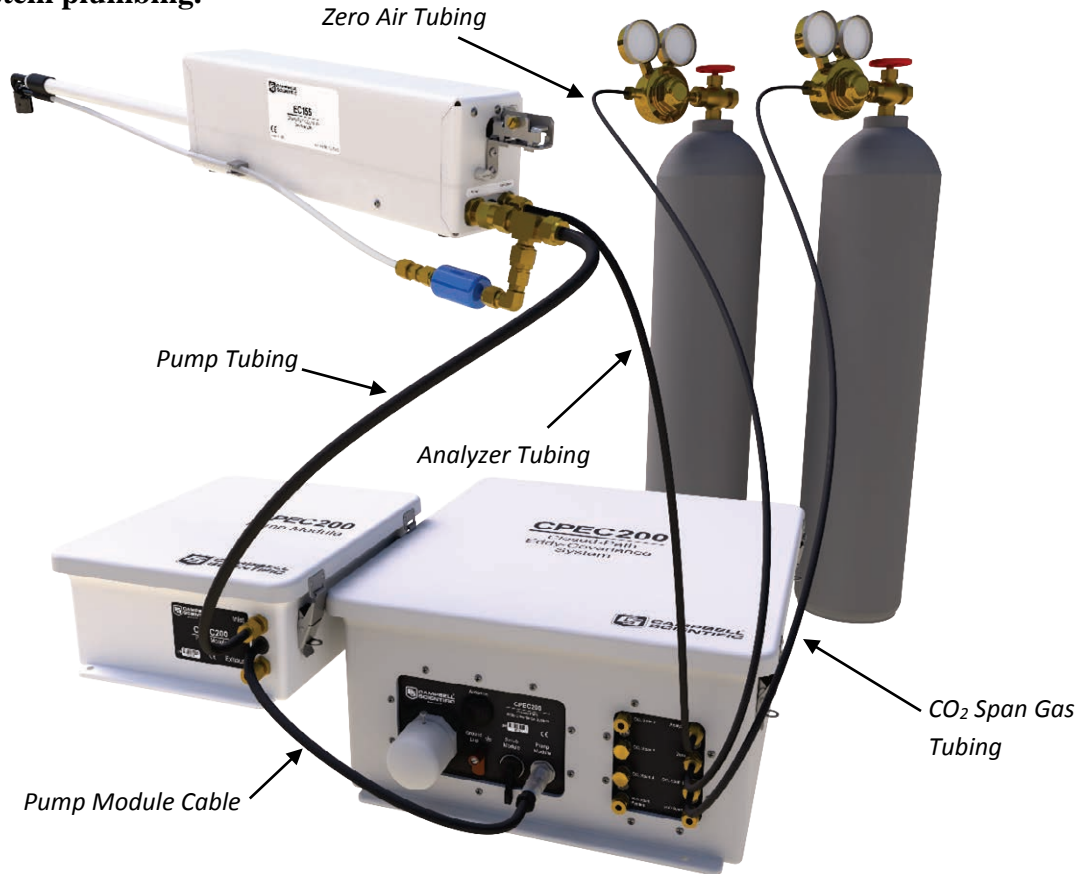
## 5. Mount gas analyzer and sonic anemometer.



**6. Connect EC155 and CSAT3A to EC100 Electronics.**

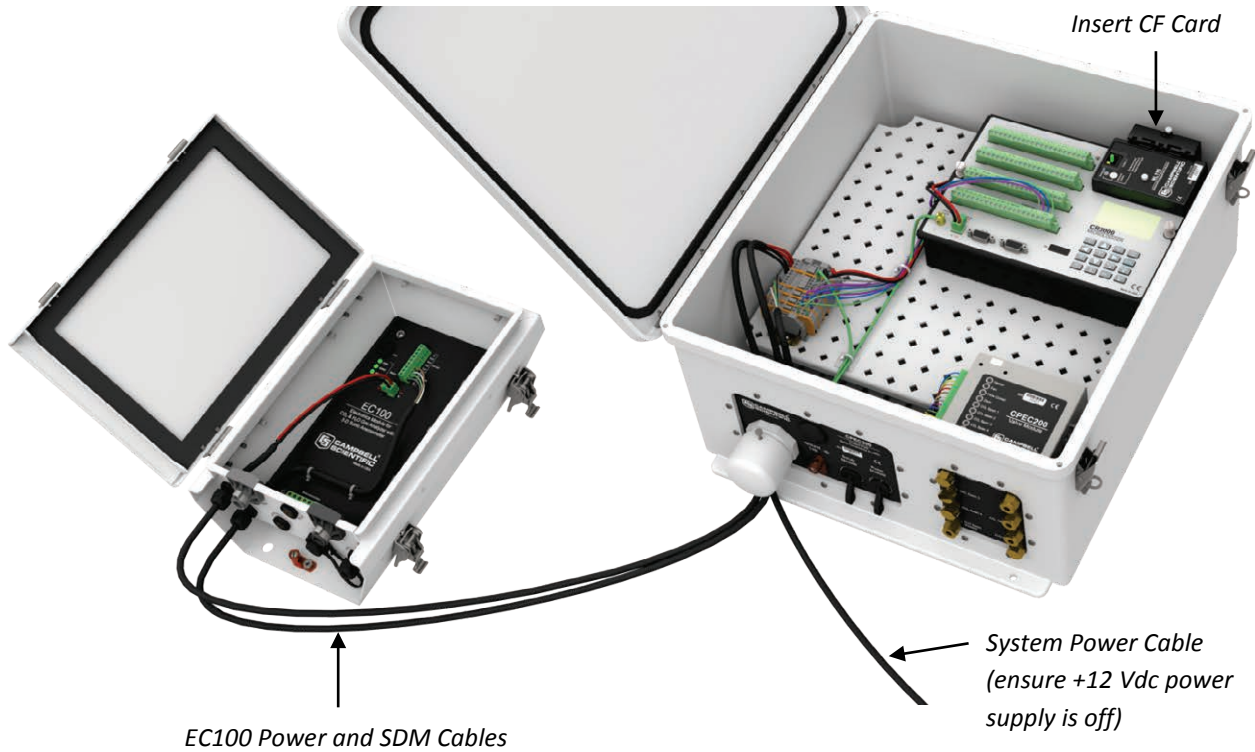


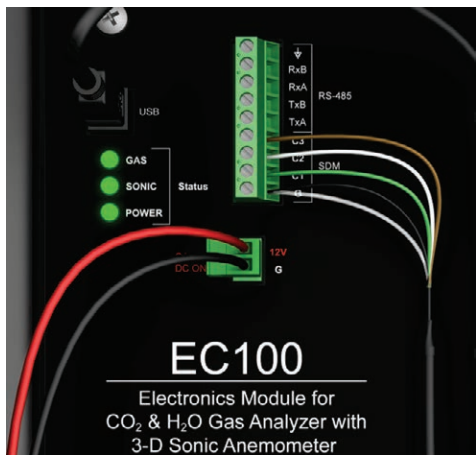
## 7. Connect system plumbing.





**8. Connect system wiring and insert compact flash (CF) card.**



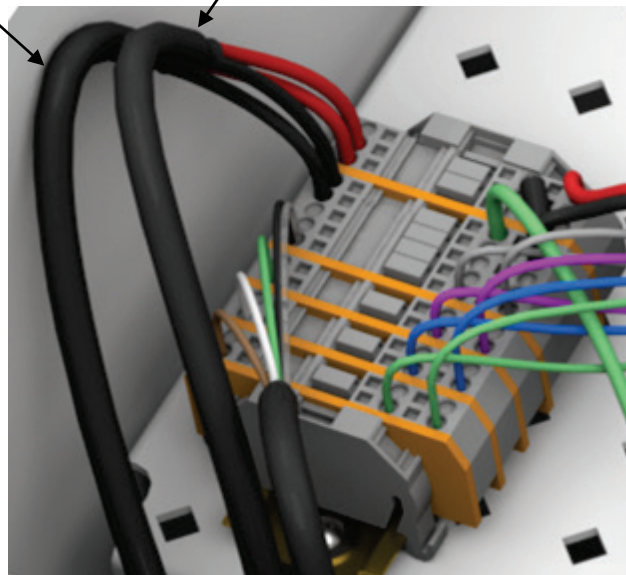


EC100  
Power Cable

EC100 SDM  
Cable

Power Cable to +12Vdc  
Power Supply (off)

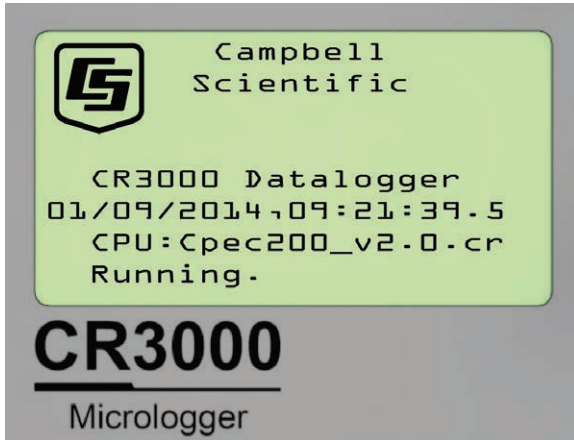
Power Cable  
to EC100



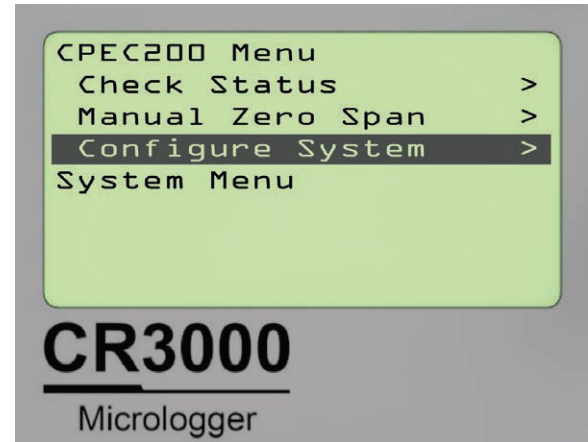
SDM Cable to EC100

9. Turn on the +12 Vdc power supply and use the datalogger keyboard display to set settings and initiate zero/span checks.

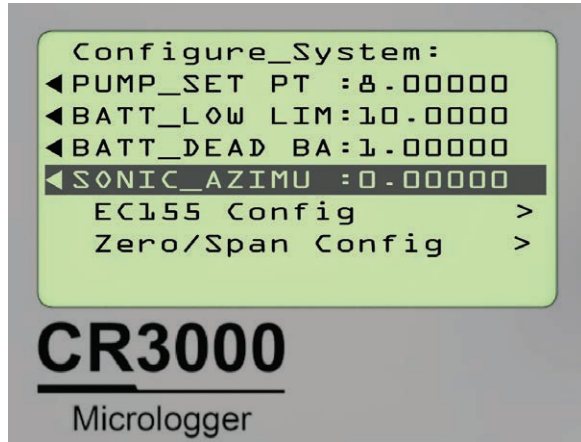
9.1 Press **Esc** to activate the display. Press **Enter** to display the System Control Menu.



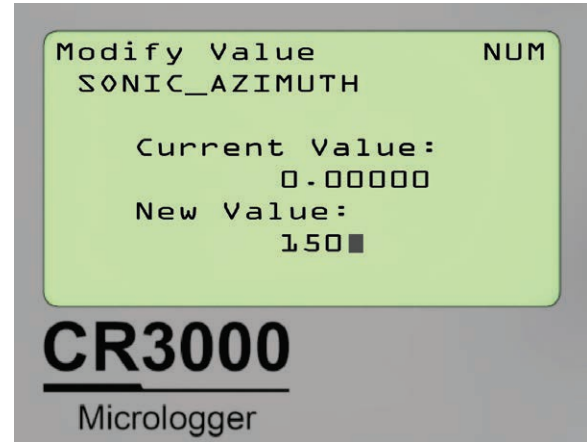
9.2 Select **Configure System**.



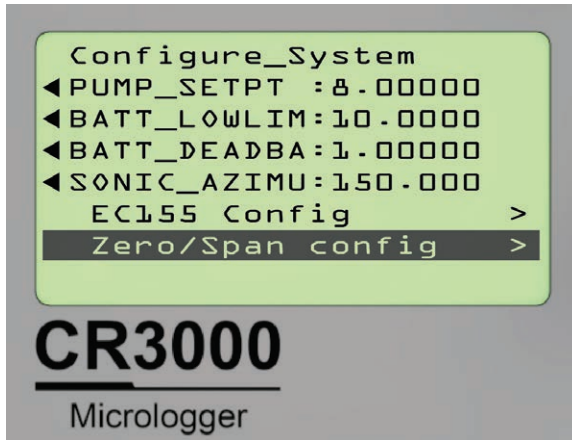
### 9.3 Select SONIC\_AZIMU.



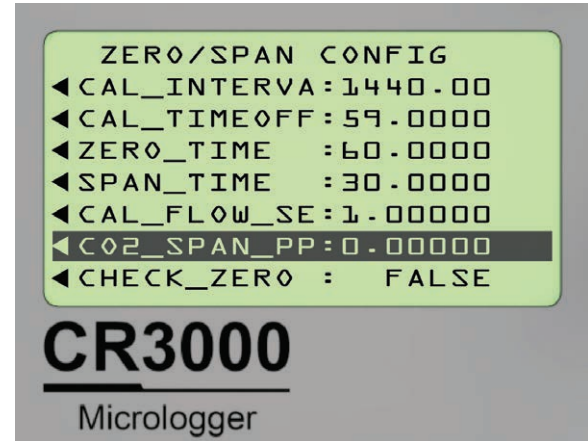
### 9.4 Enter the CSAT3A sonic head azimuth.



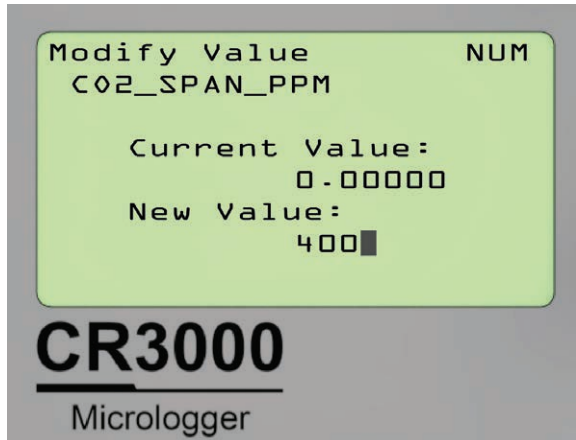
**9.5** If the CPEC does not have a valve module, skip to 9.10. Otherwise, select **Zero/Span Config**.



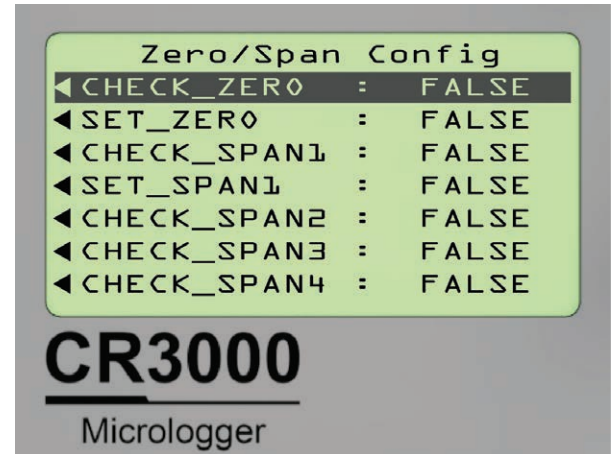
**9.6** Select **CO2\_SPAN\_PPM**.



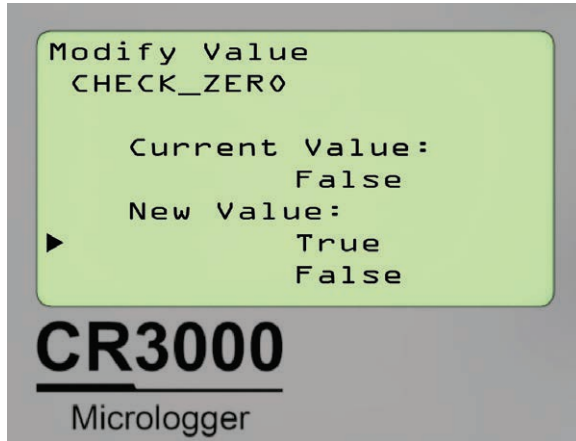
9.7 Set **CO2\_SPAN\_PPM** to match the CO<sub>2</sub> concentration of the CO<sub>2</sub> span gas tank.



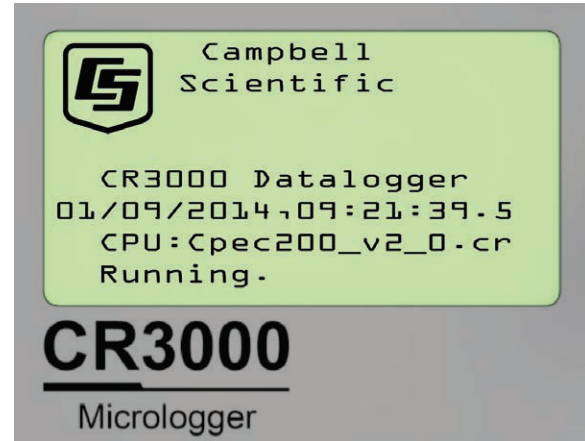
9.8 Select **CHECK\_ZERO**, **SET\_ZERO**, **CHECK\_SPAN1**, **SET\_SPAN1** in sequence. Leave **CHECK\_SPAN2**, **CHECK\_SPAN3**, and **CHECK\_SPAN4** as *FALSE* unless the 6-valve module is being used.



**9.9** For each value selected on the previous screen, change the setting from *False* to *True* for **auto zero/span**.



**9.10** Press **ESC** to exit.





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