

# CPEC200

Closed Path  
Eddy Covariance System

Quickstart Guide



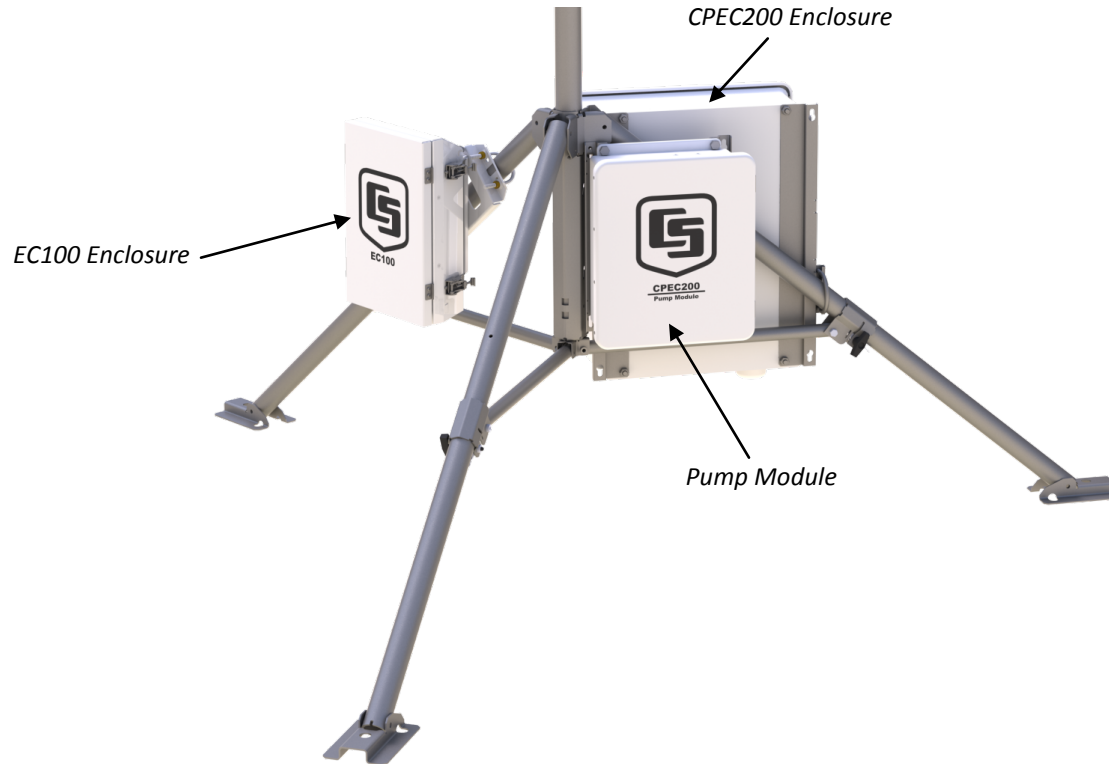
*December 2011*



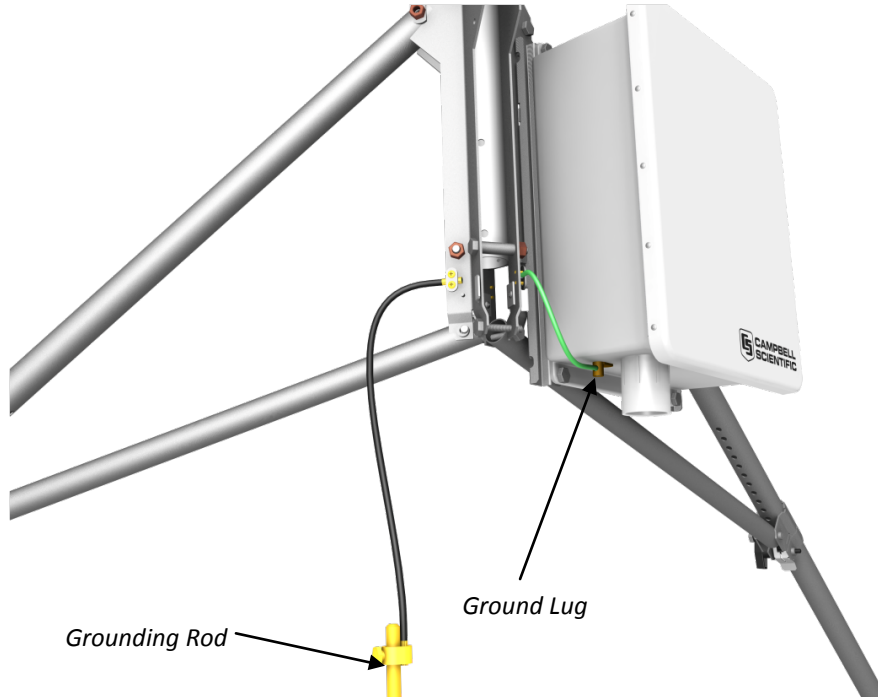
**CAMPBELL<sup>®</sup>  
SCIENTIFIC**

WHEN MEASUREMENTS MATTER

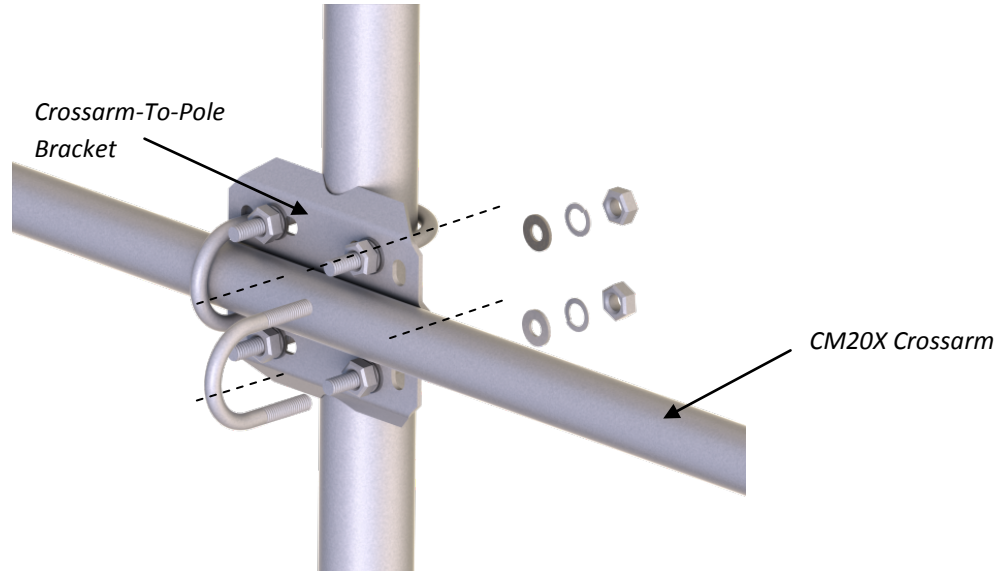
**1. Setup tripod and mount enclosures.**



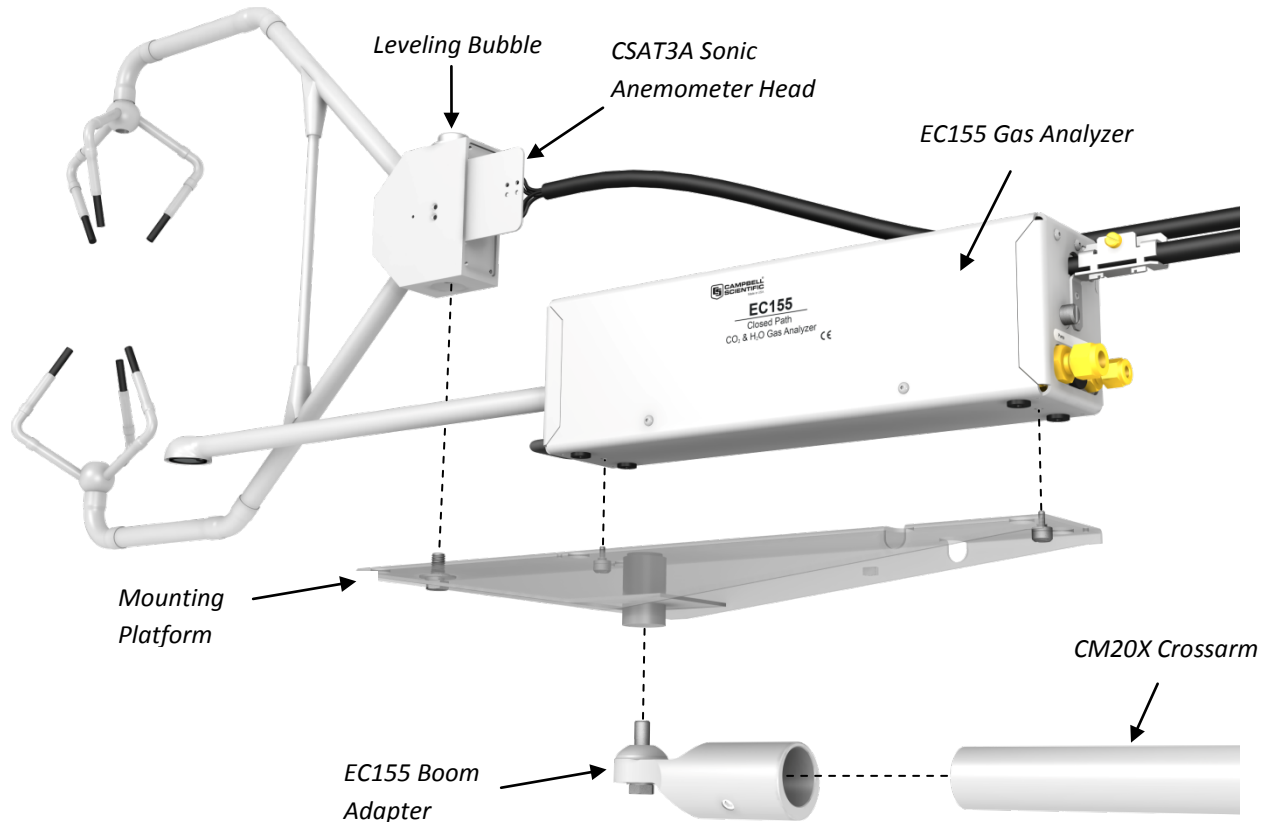
## 2. Ground tripod and enclosures.



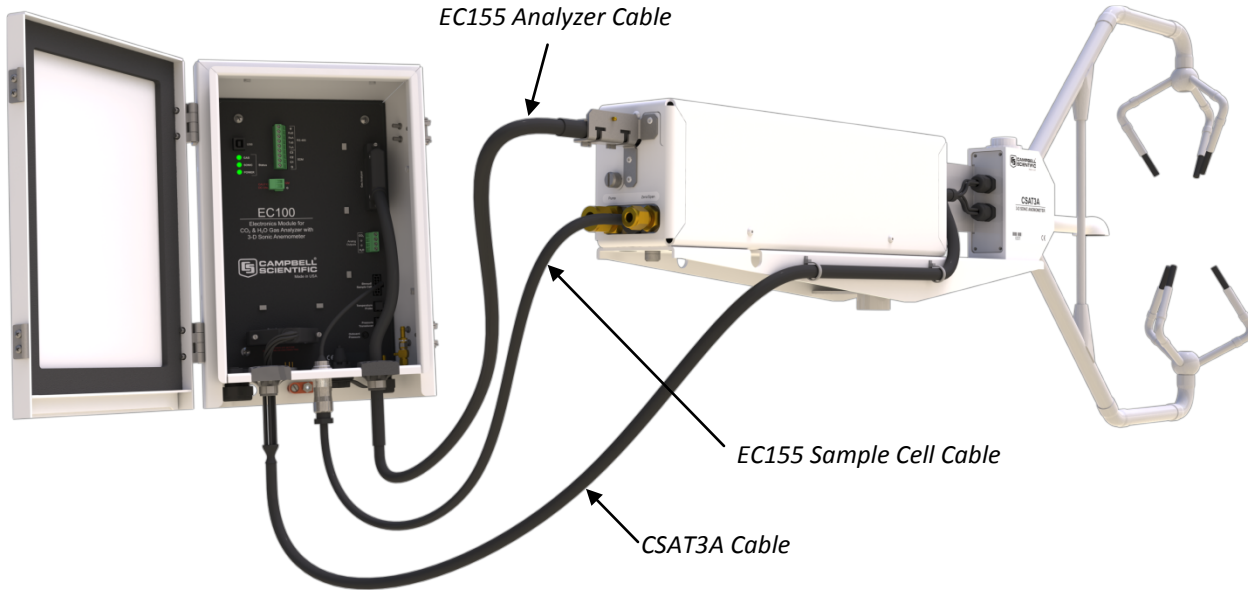
### 3. Setup tripod or mast with CM20X Crossarm.



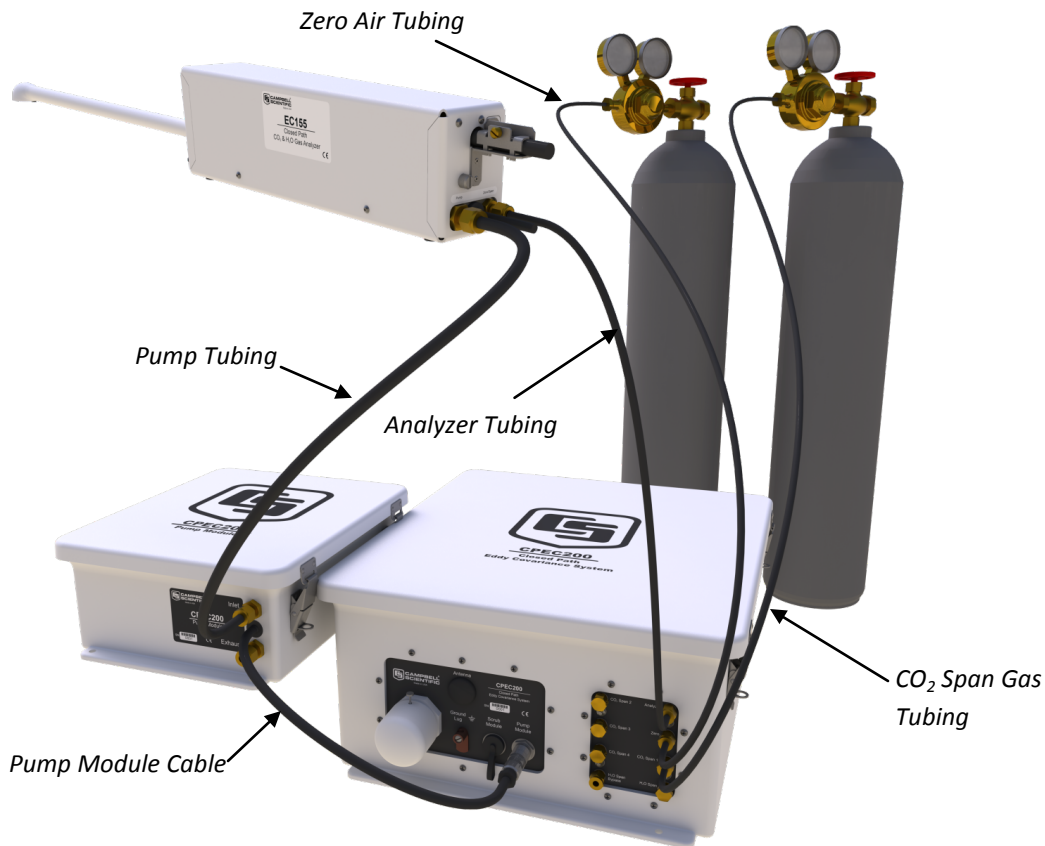
#### 4. Mount gas analyzer and sonic anemometer.



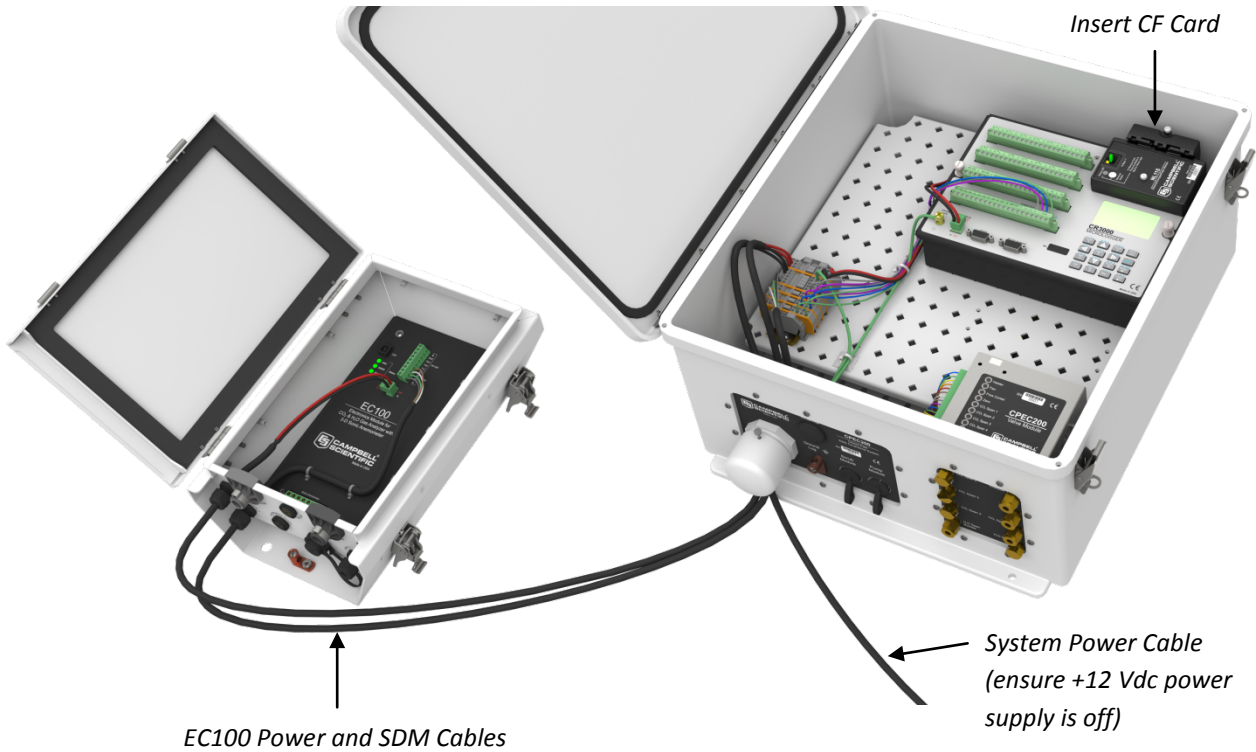
**5. Connect EC155 and CSAT3A to EC100 Electronics.**



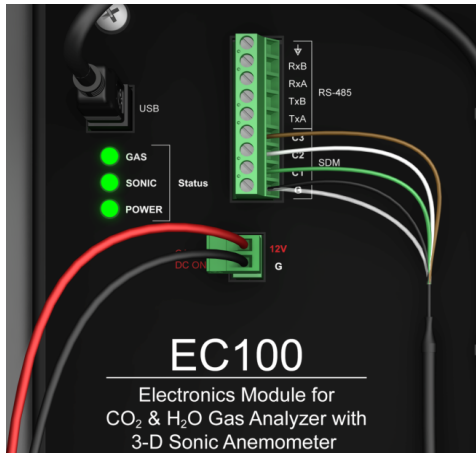
## 6. Connect system plumbing.



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





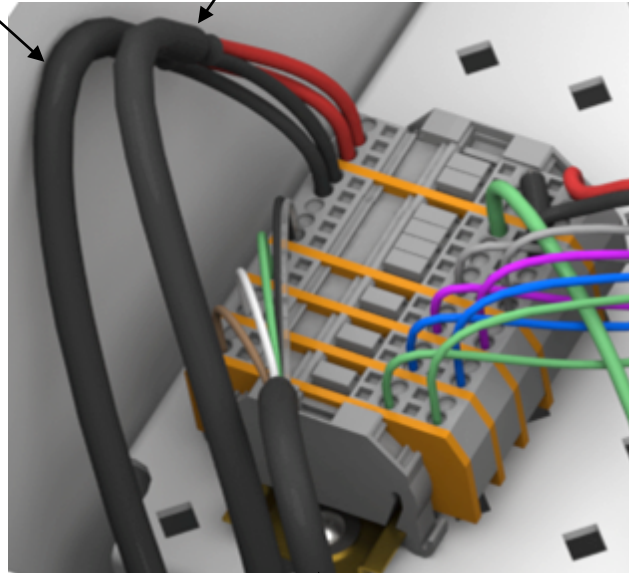


*EC100  
Power Cable*

*EC100 SDM  
Cable*

*Power Cable to +12Vdc  
Power Supply (off)*

*Power Cable  
to EC100*

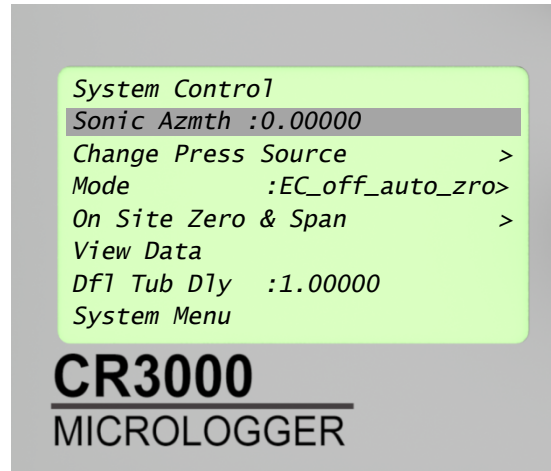
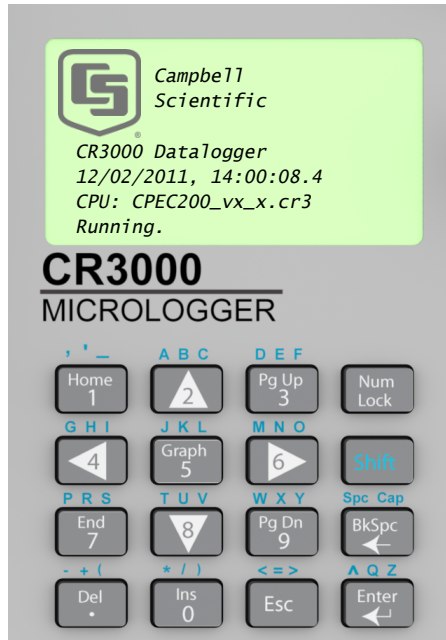


*SDM Cable to EC100*

8. Turn on the +12 Vdc power supply and use the datalogger keyboard display to set settings and initiate zero/span checks. (Follow the steps from left to right, top to bottom).

Press <Esc> to activate the display.  
Press <Enter> to display the System Control Menu.

Select “Sonic Azmth”.



Enter in the CSAT3A sonic head azimuth.

```
Modify Value          NUM
Sonic Azmth

Current Value:
      0.00000
New Value:
      150■
```

**CR3000**  

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MICROLOGGER

If your CPEC200 does not have a valve module, skip to the last step. Otherwise, select "On Site Zero & Span".

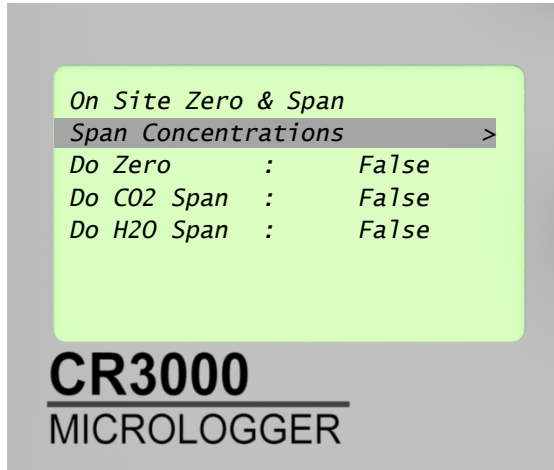
```
System Control
Sonic Azmth :150.000
Change Press Source  >
Mode               :EC_off_auto_zro>
On Site Zero & Span  >
View Data
Df1 Tub Dly       :1.00000
System Menu
```

**CR3000**  

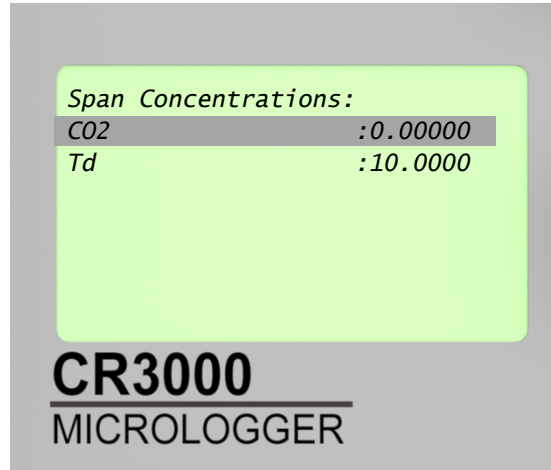
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MICROLOGGER

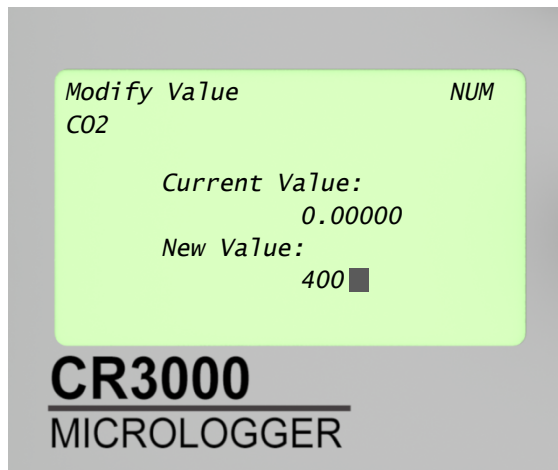
Select the “Span Concentrations” menu.



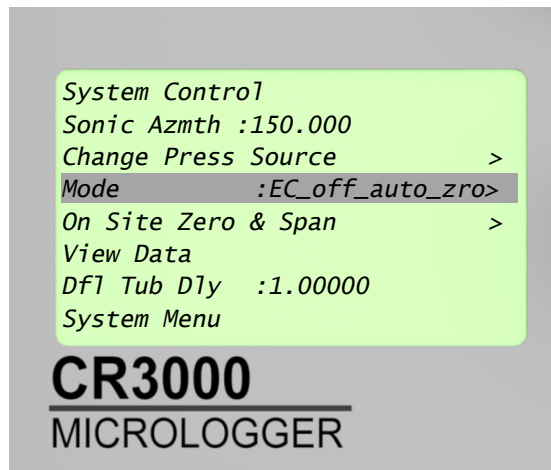
Select “CO2”.



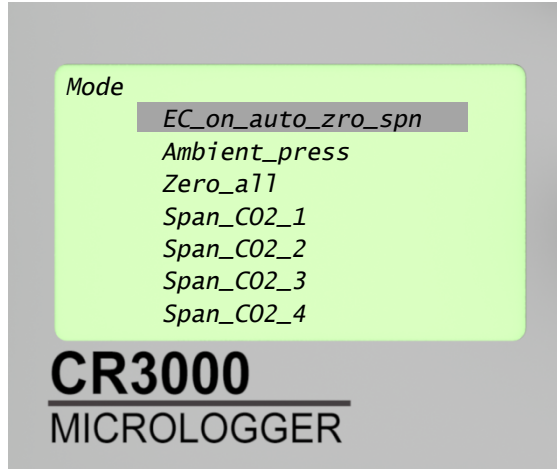
Enter in the CO2 span bottle concentration in ppm.



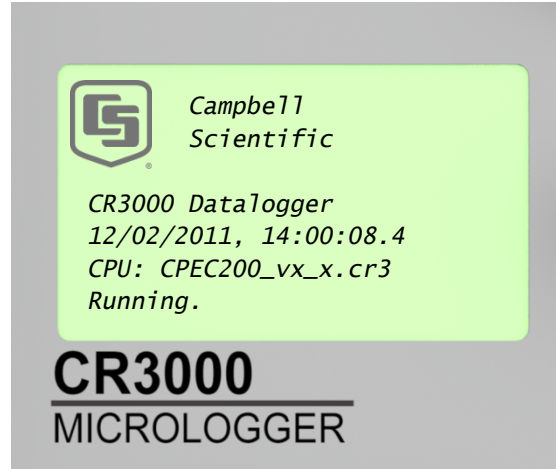
Press <Esc> twice to return to the System Control menu. Select the “Mode” menu.



Select “EC\_on\_auto\_zro\_spn”.



Press <Esc> to exit.







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