CPEC200

Closed Path
Eddy Covariance System

Quick Deploy Guide

February 2016

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WHEN MEASUREMENTS MATTER

1. Setup tripod and mount enclosures.

Leg Mount

Mixed Mast and Leg Mount

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_2 concentration of the CO_2 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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