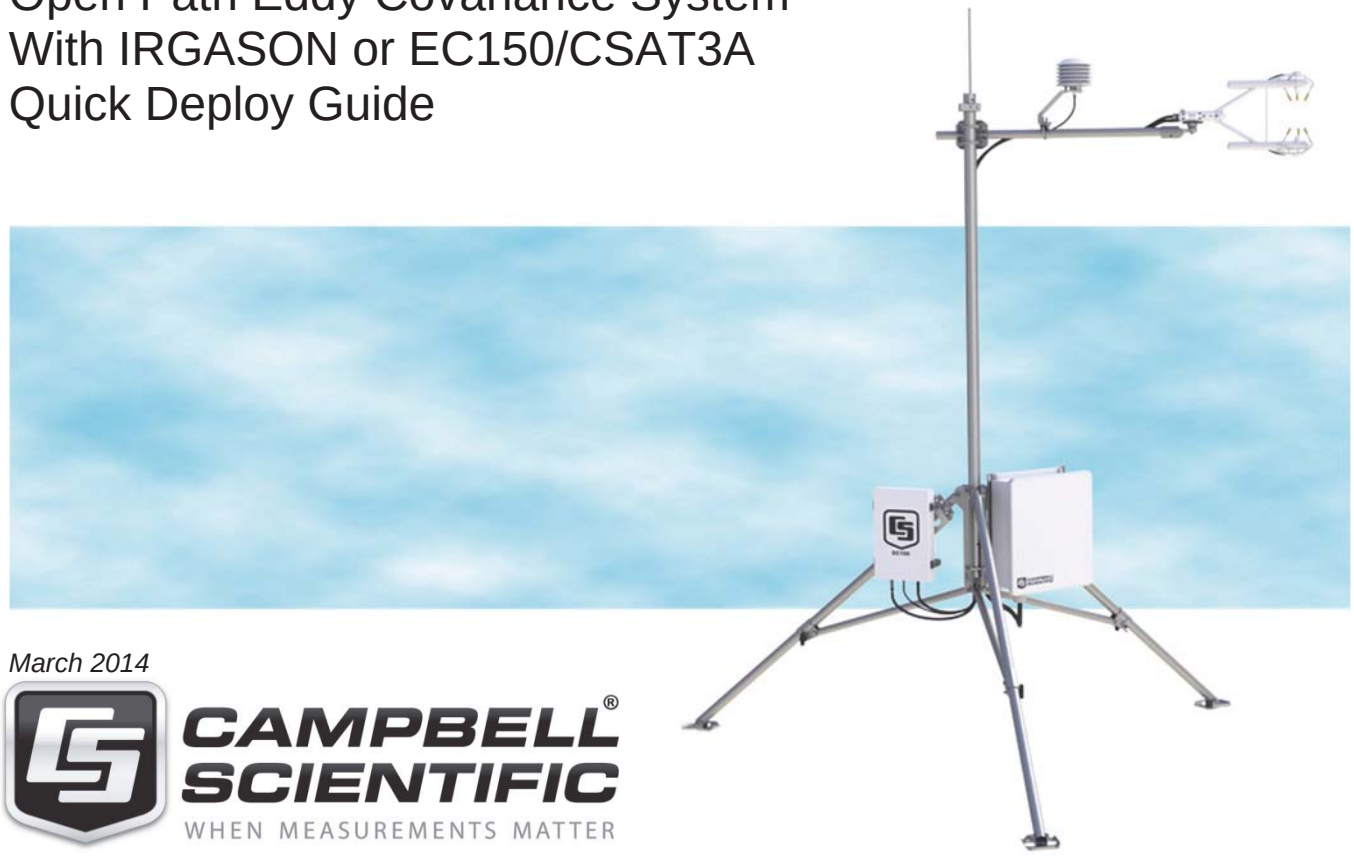
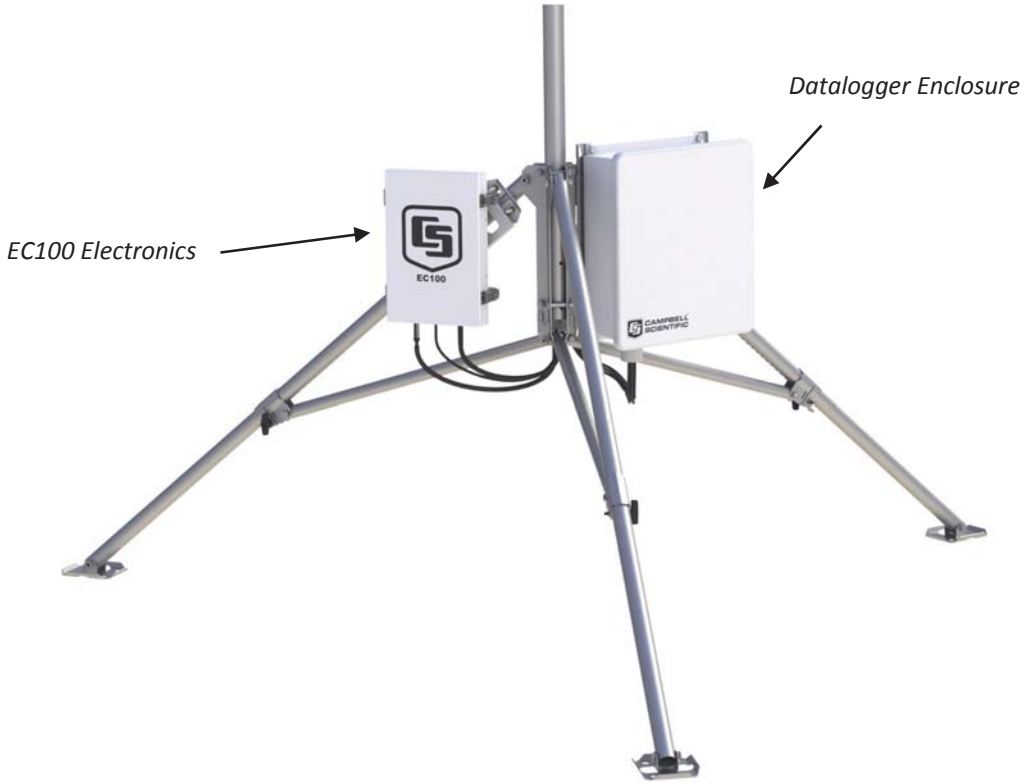
Open Path Eddy Covariance System With IRGASON or EC150/CSAT3A Quick Deploy Guide



March 2014

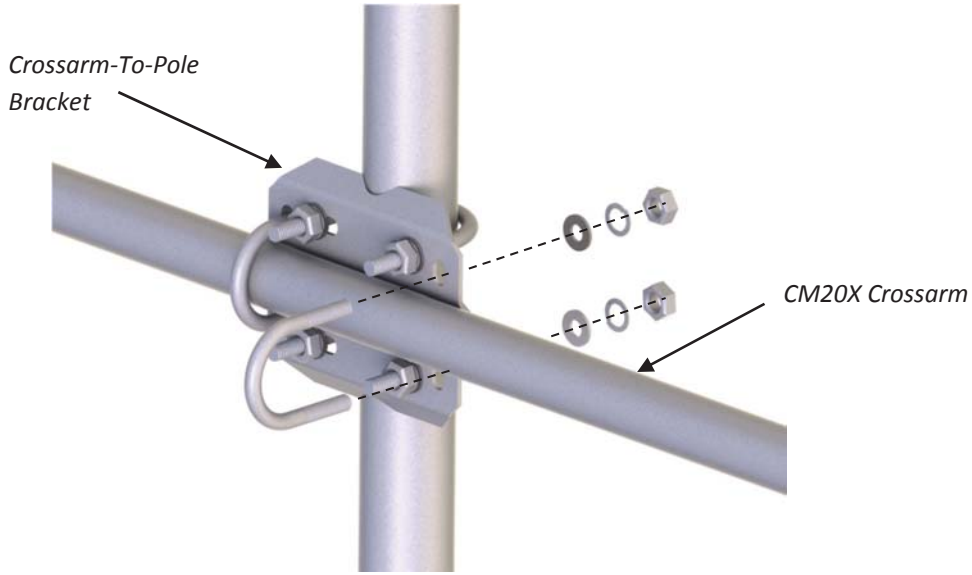
CAMPBELL SCIENTIFIC®
WHEN MEASUREMENTS MATTER

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

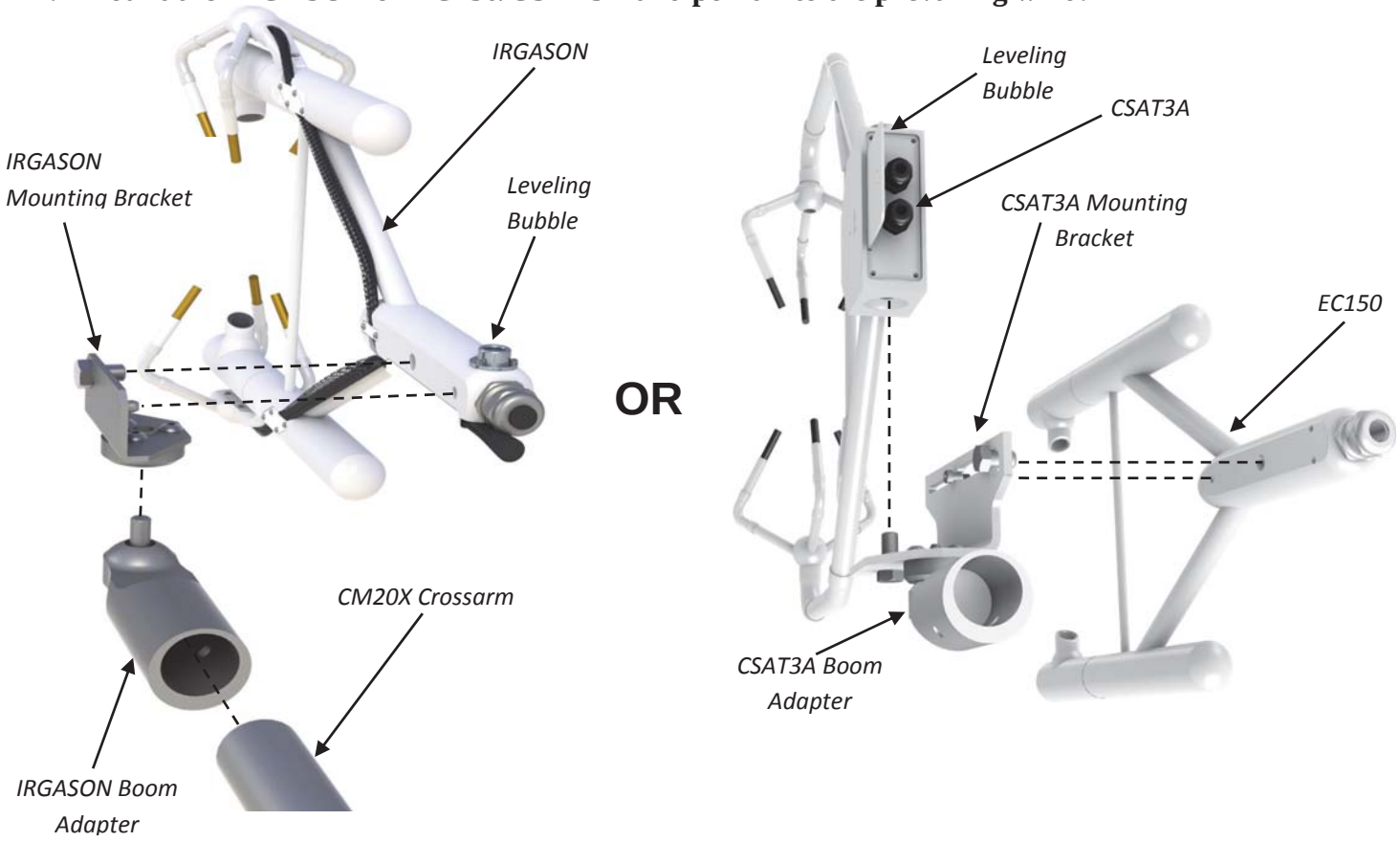


2. **Ground tripod and enclosures.**

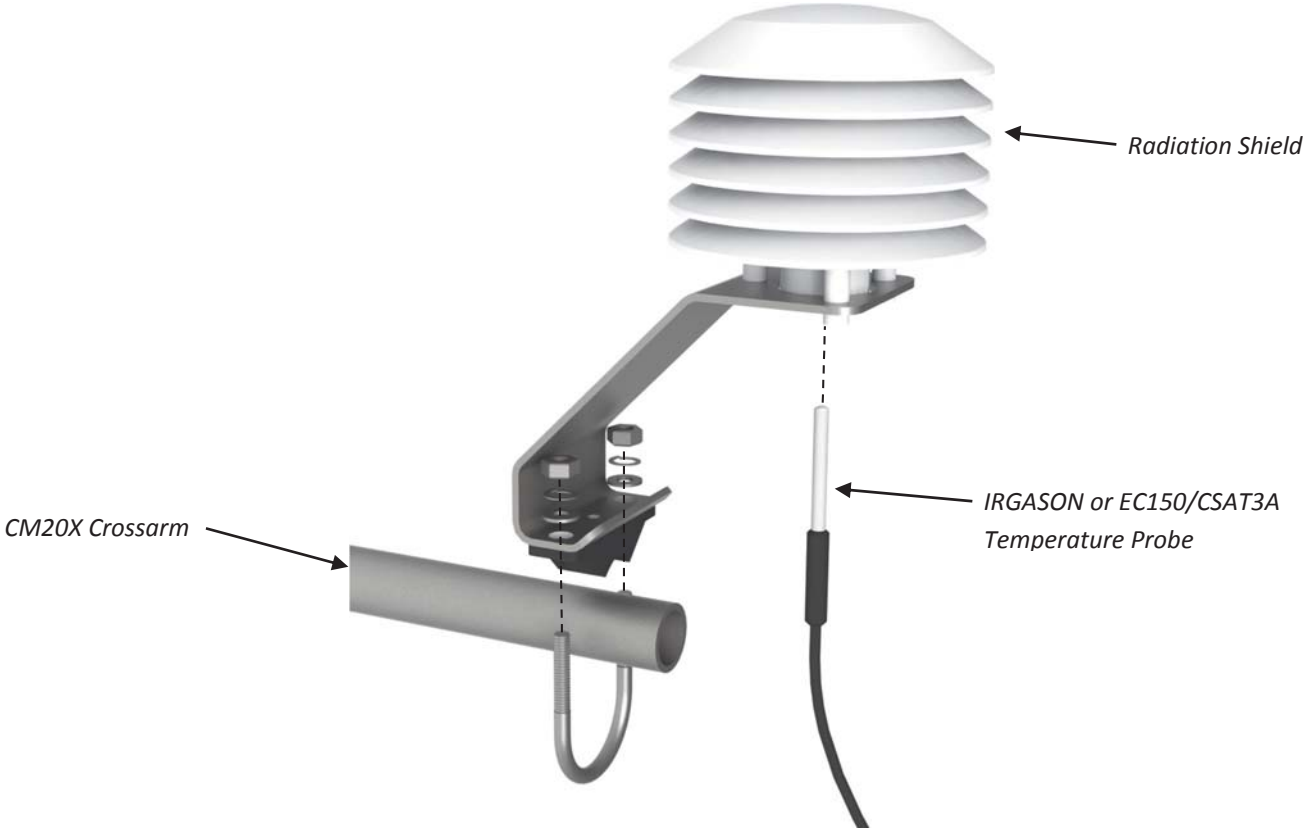
3. Setup tripod or mast with CM20X Crossarm.



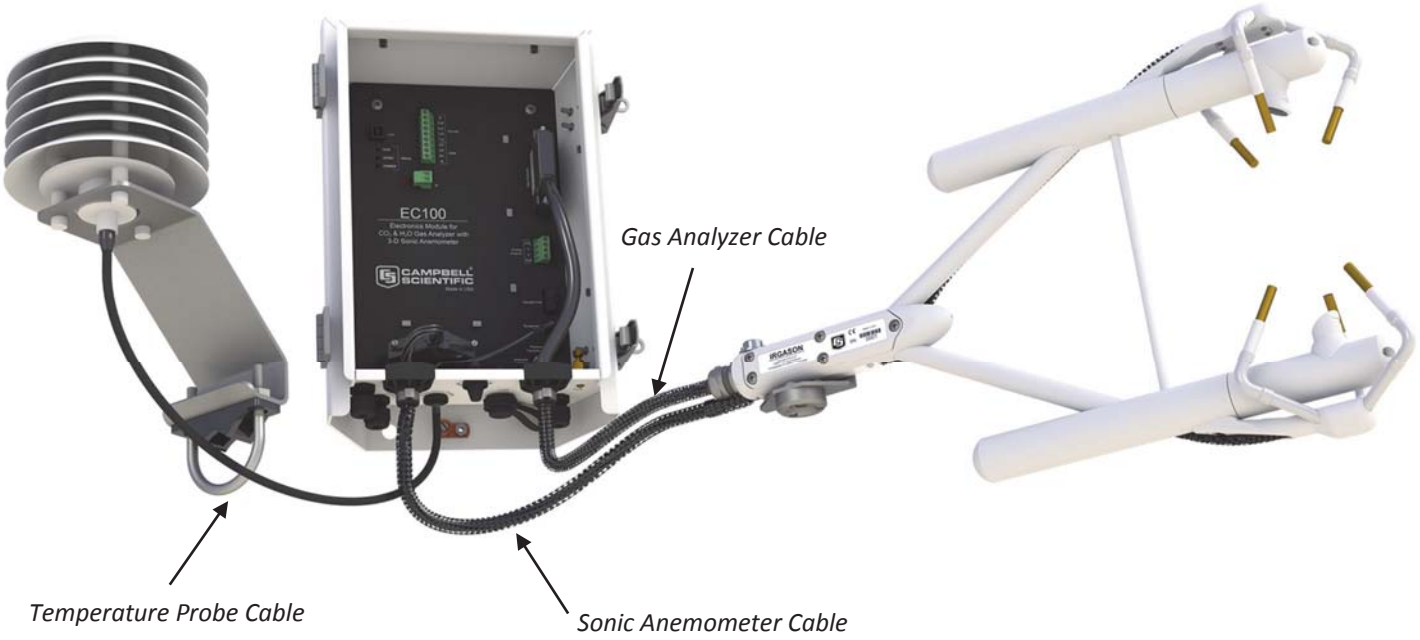
4. Mount the IRGASON or EC150/CSAT3A and point into the prevailing wind.



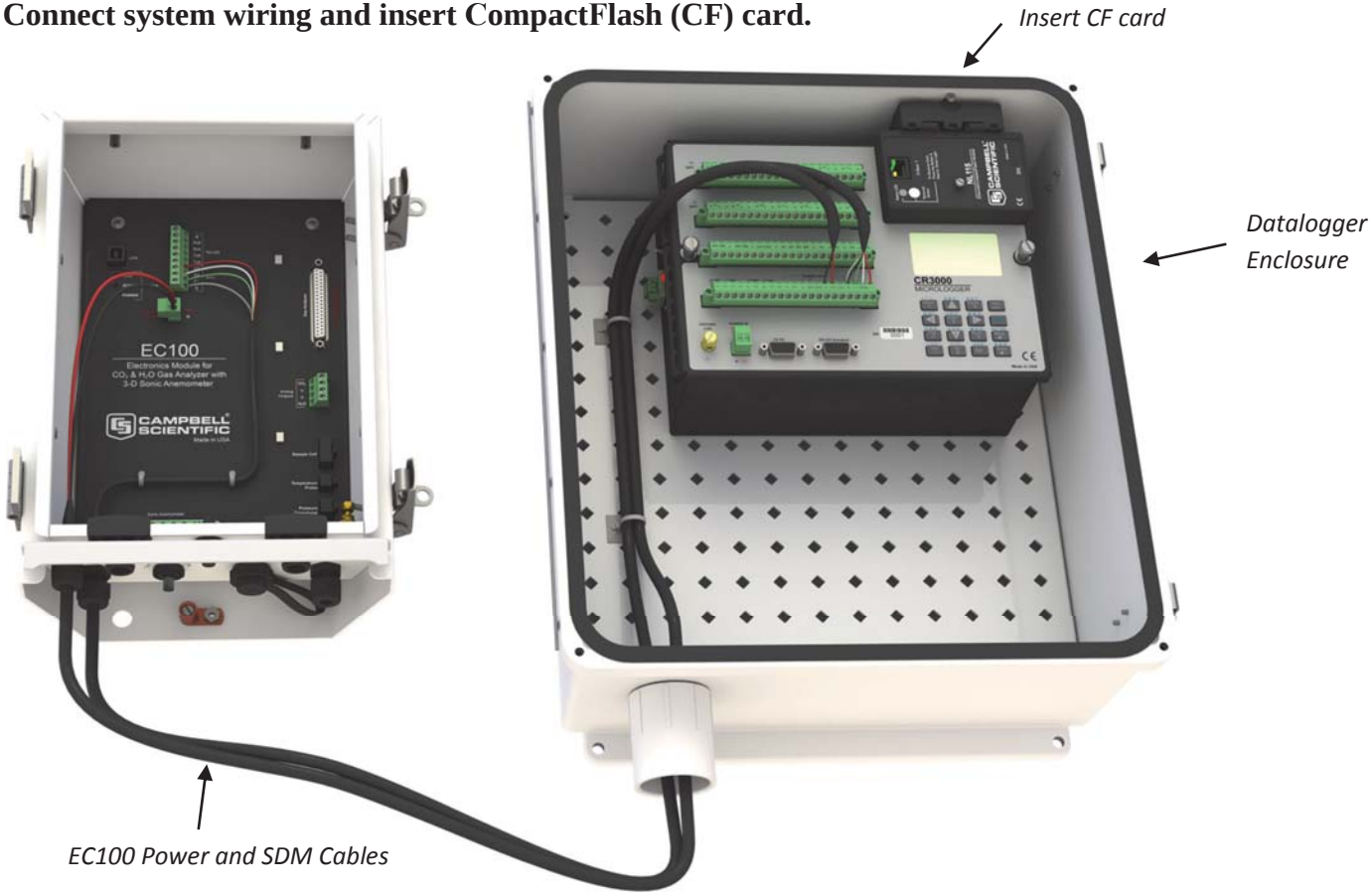
5. **Mount the radiation shield and IRGASON or EC150/CSAT3A Temperature Probe.**



6. Connect gas analyzer, sonic anemometer, and temperature probe cables to EC100 Electronics.



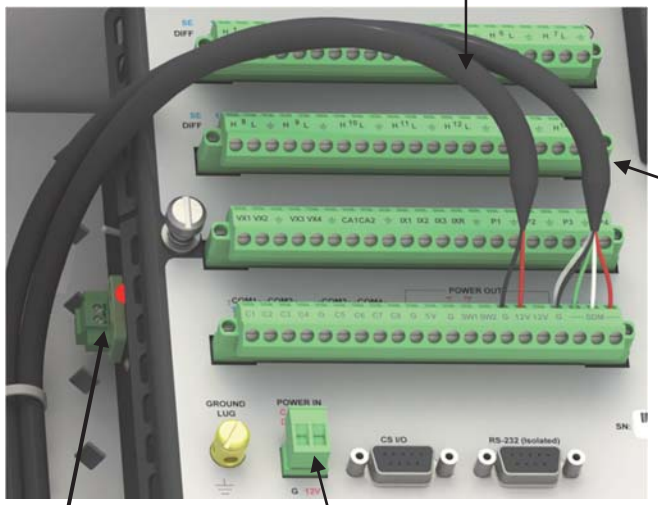
7. Connect system wiring and insert CompactFlash (CF) card.



Power Cable

SDM Cable

Power Cable (can connect here or directly to +12 Vdc power supply)



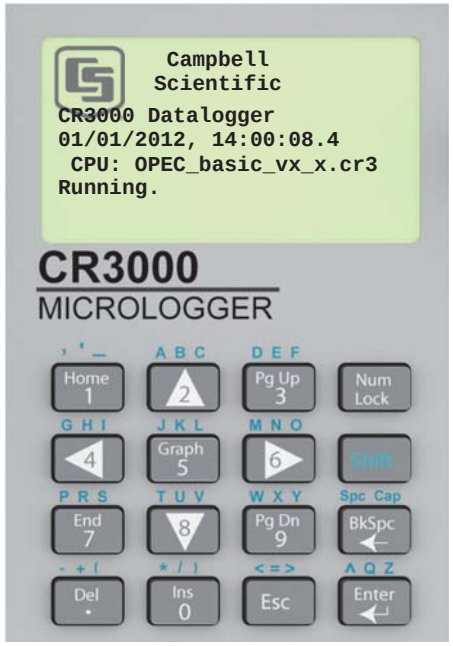
SDM Cable

If datalogger has rechargeable base, connect cable from +17-28 Vdc or +18 Vac power supply here

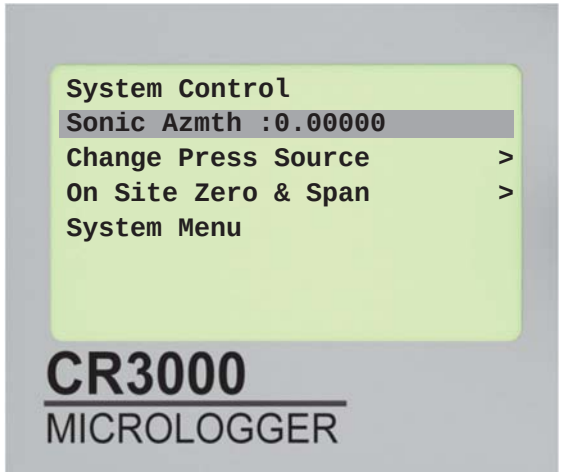
Otherwise connect cable from +12 Vdc power supply here

8. **Turn on the power supply and use the datalogger keyboard display to set settings.** (Follow the steps from left to right, top to bottom).

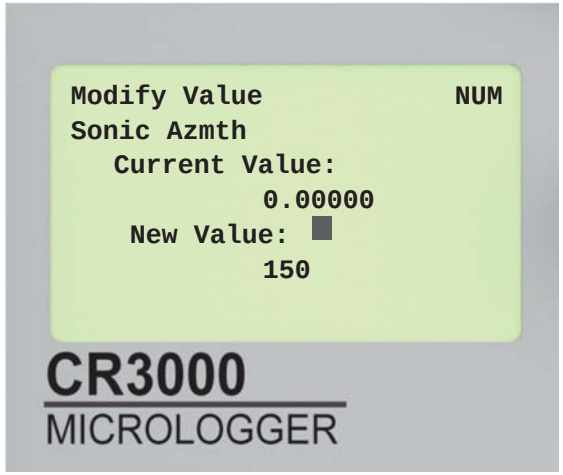
Press <Esc> to activate the display.
Press <Enter> to display the System Control Menu.



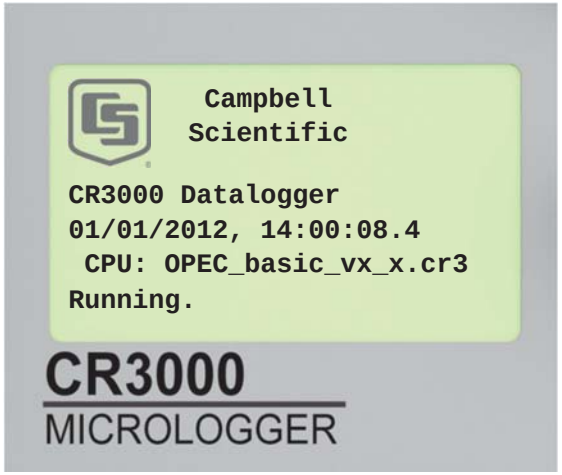
Select “Sonic Azmth”.

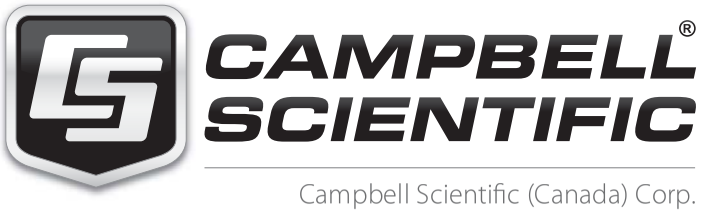


Enter in the azimuth (the angle in degrees between true north and the direction the IRGASON or EC150/CSAT3A points), and press <ENTER>.



Press <Esc> to exit.





Campbell Scientific (Canada) Corp.
14532 131 Avenue NW | Edmonton AB T5L 4X4
780.454.2505 | fax 780.454.2655 | campbellsci.ca

*Please visit **www.campbellsci.com** to obtain contact information for your local US or International representative.*