Q: ECO View is not communicating with my ECO instrument. How do I test my ECO?

A: First, make sure that the ECO test cable, power supply and serial COM port are working. Then, make sure the ECO is in Standby mode.

Background:

- When the ECO is powered ON, it will immediately go into its programmed sampling parameters
- The ECO will be set to either:
    - run continuously, # of samples = 0 (Pkt=0)
    - run a specified # of samples (Pkt = # of samples)

Test the cable connections end-to-end with a multi-meter (continuity setting or ohm meter):

- Socket 1: to power ground (V-) AND to (computer) serial RS-232 ground (DB-9, socket 5)
- Socket 2: to (computer) serial RS-232 Tx (DB-9, socket 3)
- Socket 4: to power input (V+)
- Socket 5: to (computer) serial RS-232 Rx (DB-9, socket 2)

To get the ECO into Standby with ECO View:

- select the correct COM port and “19200 Baud” settings, lower left, “Host Port Selection”
- open the "Raw Data" tab/window
- power ON the ECO and press the "Stop Data" button a few times. Preferably, before the data stops scrolling
- verify the scrolling data stops, followed by a "menu" of sample parameters/settings (i.e. Pkt)

If you continue to have problem... try accessing the ECO via a terminal program (e.g. Hyperterminal, TeraTerm, or similar) for direct control. Use the following serial port settings:

- 19200 baud
- 8 data bits
- no parity
- 1 stop bit
- no flow control
- the same COM port as with ECO View... however, make sure that ECO View is closed (!), to access the serial port with the terminal program.

Then:

- power ON the ECO
- verify that there is data scrolling
- press "!!!!!!!!!...." (a stream of exclamation points, >5 characters) for the manual "Stop Data" command
- verify that the settings "menu" appears on the screen (the output stops)

Settings can be changed, as necessary, following the manual command protocol with a terminal program or using the “Meter Setup” tab in ECO view.

NOTE: when changing the settings, it is imperative to “store” the new settings, saving them into the ECO instrument memory. To do this:

- type “$sto<enter>” in the terminal program, if using manual commands
- press the “Store to Flash” button on the “Meter Setup” tab, if using ECO View