

OMNIPRO

Caterpillar GCCP 1.2 (Deep Sea 6310)



1. Unpack Components

- Unpack the monitor, antenna, and data and power cable.
- Inspect all components to ensure there is no shipping damage.

2. Installing Antenna

- Place the antenna vertically at the center of the roof of the generator.
- Route the antenna cable into the area of the generator control.
- Ensure a drip loop lower than the monitor to prevent water from running down the antenna cable into the monitor connection.

3. Attach the Antenna Cable:

- Attach the antenna cable to the front of the monitor and tighten thumb tight.

4. Attaching the Monitor.

- Attach the monitor via its magnetic feet, on top of the engine controller or another appropriate location.
- Horizontal surfaces are best, but the unit may be mounted vertically or even upside down if necessary.

***Note: If mounted vertically, install the monitor with the cables down to prevent water from entering the enclosure.**

5. Connect the Monitor:

- The monitor can connect to the CAT GCCP1.2 controller via a 2-wire (RS485) Modbus connection.

6. Utilize Modbus Capabilities:

- Connect the OMN white (Data+) and green (Data-) wires to Terminal 52 & 51
- Set up controller communications port to Baud Rate 19200, parity none, Slave ID 10.

7. Power On and Check LEDs:

- confirm that the LEDs light up and blink.
- If not, check for power wires at the battery. (Scan QR code for light sequence)

8. Confirm Installation:

- Allow 15 minutes for the monitor to log into the network. Call OmniMetrix at 770-209-0012 to confirm installation.



OMNIPRO

Caterpillar GCCP 1.2 (Deep Sea 6310)

CAT EMCP 3.2 & 3.3 Wiring Diagram

SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	Battery +
	Black	Ground	Battery -
Blue	White	Modbus Data +	52*
	Green	Modbus Data -	51*

* 120-Ohm Resistor on 51&52



120-Ohm Resistor Position



If you have any questions, please call OmniMetrix Tech Support at
770-209-0012 or email at techsupport@omnimetrix.net

