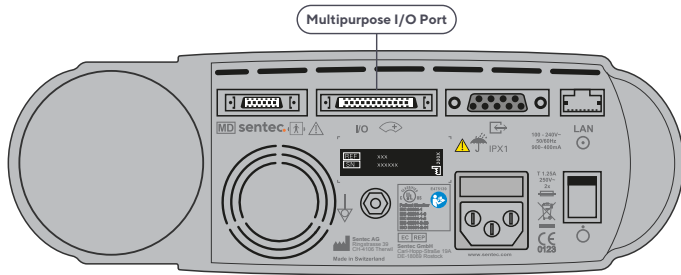


Connectivity to PG/PSG Systems through an Analog Interface

Sentec’s connectivity to polygraphic and polysomnographic systems allows you to see important patient data in one location. Follow these steps to connect the devices and integrate the data into your system.

1. Ensure you have the correct PSG Adapter Cable to connect the Sentec transcutaneous monitor to your PG/PSG System.
2. Connect the PSG Adapter Cable to the Multipurpose I/O port on the back of the monitor.



3. Connect the free ends of the PSG Adapter Cable to the PG/PSG system according to the table below. If certain parameters do not need to interface with the system, close the unused plugs with blind plugs.

ANALOG OUTPUTS	PIN	PARAMETER
	1+ ₂ (Channel 0)	Plethysmogram
	3+4 (Channel 1)	Pulse Rate
	5+6 (Channel 2)	SpO ₂
	7+8 (Channel 3)	PCO ₂

4. In the monitor menu **Interfaces/Analog Outputs**, verify the parameter ranges assigned to the 0 to 1 Volt output range. Be sure the selected range covers all values expected for this parameter.

Example

	DEFAULT RANGE	0 VOLT	0.5 VOLT	1 VOLT
PCO ₂	0-100 mmHg	0 mmHg	50 mmHg	≥100 mmHg
SpO ₂	50-100%	≤50%	75%	100%

5. Verify that the parameter ranges on the PG/PSG system match the ranges selected on the Sentec monitor. Adjust the ranges on the PG/PSG system as necessary.
6. To calibrate the PG/PSG system and the Sentec monitor, follow the following steps:
 - a. Go to the **Interfaces/Analog Outputs** menu, choose **Calibration Sequence**, and press Enter to start the calibration.
 - b. The sequence will start with the monitor sending 1 Volt for all signals to the PG/PSG System. Press Enter to change from 1 Volt to 0 Volt. Press Enter again to stop the Calibration Sequence.
 - c. The sequence can also run automatically, which will take two minutes.
7. Finally, test the Analog Output function and ensure that the readings displayed on the Sentec monitor are properly duplicated on the attached PG/PSG system.
 - a. **Demo Mode** is useful to verify proper configuration by comparing simulated data on the Sentec monitor with corresponding readings on the PG/PSG system.
 - b. To access the **Demo Mode**, go to the main menu and select **System Settings**, then **Demo Mode**.
 - i. If this is unavailable, it may be activated in the password-protected **Profiles/Device Settings** area of V-STATS™.
 - c. Once Demo Mode has been selected, open the Docking Station door. A simulated measurement will begin and the values on the Sentec monitor should be replicated in the PG/PSG system.
8. The Sentec monitor should be calibrated to the PG/PSG system at initial setup and monthly thereafter.

Note: Every PG/PSG system is different. Please refer to the manufacturer guidelines for specific instructions.