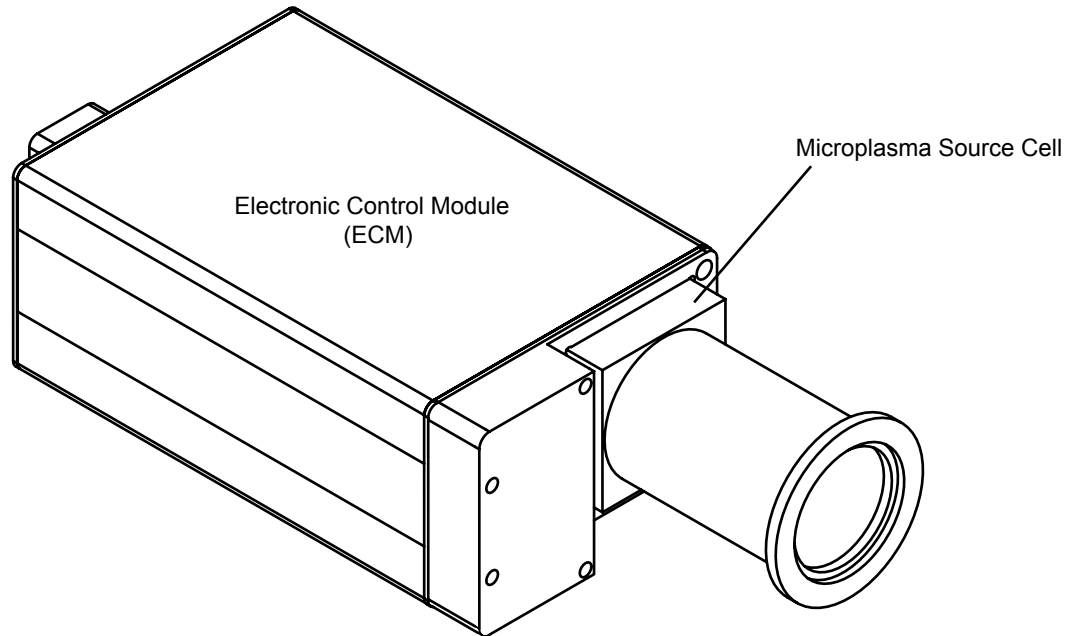


Vx-3000 Series Gas Composition Sensor Quick Installation Guide

P/N 910016R2 (November 2007)



Applicable Models

All Vx-3000 Series Gas Composition Sensors
(Note: Length and Configuration of the Microplasma Source Cell may vary)

Table 1 Power Connector	
Pin #	Connection
1	+20-30 VDC
2	+20-30 VDC
3	Ground
4	Ground

Facilities Requirements

Power:	20-30 VDC @ 3A A 100-240 VAC@50/60 Hz to 24 VDC converter with connector is provided. (Verionix P/N 470014) (Bare connectors are available from Verionix or from Digikey P/N HR110-HD. Connect per Table 1)
Vacuum Chamber Interface:	NW-40 (KF-40) flange, seal and clamp (User provided)
Communications:	RS-232 serial or RJ-45 ethernet cable (1-meter DB9 RS-232 cable provided)
Facilities Gas, CDA , Water:	None required
Approximate Weight:	4.4 lbs (2.0 kg) [Note: Weight may vary depending on Source Cell configuration]
Interface Computer:	A Microsoft Windows-XP compatible PC with DB9 serial port or ethernet network interface is required to use Verionix' Verionix Viewer™ software package
Other Accessories: (User provided)	USB to DB9 adapter for Interface Computers equipped with USB serial ports only 15-pin D-sub interface ports and cables for digital and analog signaling

Installing the Vx-3000 Series Gas Composition Sensor

Before you start

- **CONFIRM** that use of a microplasma will not adversely affect the gases being monitored.
- **CONFIRM** that all facilities required have been installed and are operational. (See previous page)
- **READ** the safety section below and follow all safety precautions.
- **REVIEW** the installation process thoroughly before beginning work.

Safety



DO NOT operate the sensor without its protective enclosure.

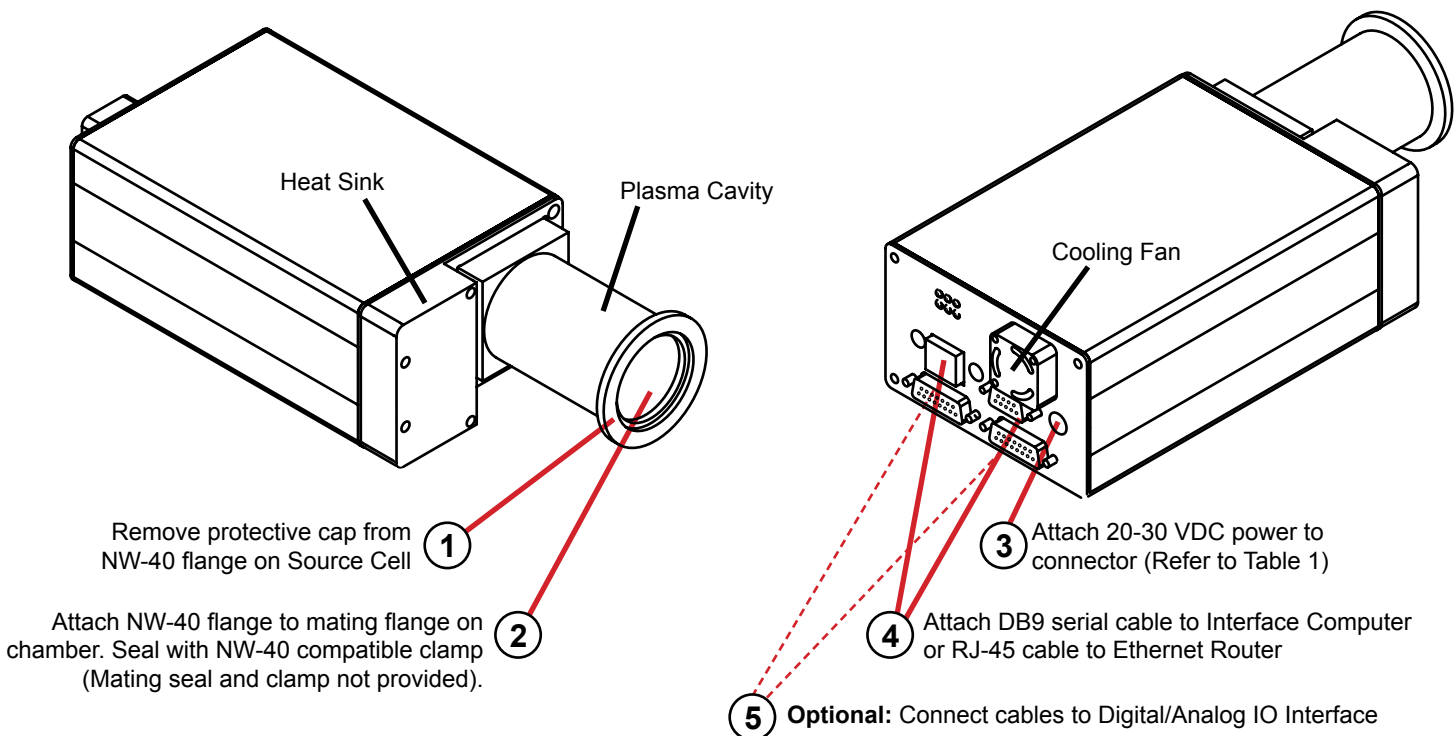
DO NOT touch the microplasma within the plasma cavity or operate it without a protective enclosure.

DO NOT block air flow exiting the heat sink on the front panel or the cooling fan on the rear panel.

USE CAUTION around the heat sink on the front panel. It could be very warm to the touch.

Vx-3000 Series Installation

Follow the numbered steps below to install the Verionix Vx-3000 series gas composition sensor:



Additional Product Information and Support

If you have additional questions or need more information, please e-mail us at Support@Verionix.com or visit us at www.Verionix.com. At our website you can download the latest versions of the Vx-3000 Series User's Guide, product specifications and related interface software.