

Vx-3100 Series System Packages



PN 910018R2 (Effective October 2007)

Order Number	Description	Application Area	Performance		
			Operating Range (See Note 1)	Starting Range (See Note 2)	Stability (See Note 3)
300019	Vx-3100 System Package	General purpose	1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300020	Vx-3100 System Package with Digital/Analog Interface	General purpose	1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300058	Vx-3101 System Package	Deposition-resistant			
300059	Vx-3101 System Package with Digital/Analog Interface	Deposition-resistant			

Note 1: Operating range for sensor as measured in Air (Gas-species and mixture dependent)

Note 2: Starting range measures the ability of Verionix microplasma to start in Air at the pressure level noted. It is gas-species/mixture dependent and may degrade with use and process application

Note 3: Stability is measured assuming constant conditions including pressure, gas composition and ambient temperature. Contact Verionix Support for more details.

All System Packages Include:

- Microplasma Source Cell (MSC):** One field-replaceable Source Cell with KF-40 flange tailored to operate within the pressure and process environment as specified.
- Electronic Control Module (ECM):** Vx-3100 Electronic Control Modules (ECMs) contain a precision photospectrometer, microprocessor and related power supplies to support any compatible MSC. All ECMs come standard with a RS-232C and an ethernet interface supporting the Modbus protocol. An optional Digital/Analog I-O interface may be added at time of purchase for additional control capability. Please note that it is not possible to upgrade an existing ECM with a Digital/Analog interface in the field.
- Verionix Viewer™ Software:** Single-user license for Verionix Viewer, a Microsoft Windows-XP compatible software package. Functionality included: Real-time data display, recording and playback, Fingerprint recording and comparison, Sensor configuration and status. A Windows-XP compatible computer with at least 512 MB RAM, 20GB free disk space, Pentium 4 (1.5 GHz) processor, XGA Graphics card, and Ethernet and/or serial port is required to run this package, but is not provided.
- Power Converter:** 100-240VAC 50/60 Hz to 24VDC @ 1.7A power converter with connector for use with any Vx-2000 or Vx-3000 series ECM
- Cables:** One 9-pin RS-232C cable (6 foot). If configured with the Digital/Analog Interface, the purchaser will need to provide DB-15 (15-pin) connectorized cables for their application.
- Warranty:** All new products shipped come with Verionix' standard New Product Warranty. Please refer to Verionix P/N 910006 for more information.

Vx-3100 Series Components



PN 910019R2 (Effective October 2007)

Vx-3100 Series Sensors Only (ECM + One Microplasma Source Cell)

Order Number	Description		Performance		
			Operating Range (See Note 1)	Starting Range (See Note 2)	Stability (See Note 3)
300032	Vx-3100 Sensor	General purpose	1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300033	Vx-3100 Sensor with Digital/Analog Interface	General purpose	1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300054	Vx-3101 Sensor	Deposition-resistant			
300055	Vx-3101 Sensor with Digital/Analog Interface	Deposition-resistant			

Replacement Microplasma Source Cells (New & Refurbished)

Order Number	Description		Performance		
			Operating Range (See Note 1)	Starting Range (See Note 2)	Stability (See Note 3)
300034	New Vx-3100 Microplasma Source Cell (General Purpose)		1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300035	Refurbished Vx-3100 Microplasma Source Cell (Note 4)		1 Torr - 15 psig	1 Torr - 15 psig	± 1.5% (1-σ)
300056	New Vx-3101 Microplasma Source Cell (Deposition-Resistant)				
300057	Refurbished Vx-3101 Microplasma Source Cell (Note 4)				

Other Accessories and Options

Order Number	Description
300007	100-240 VAC@50/60Hz to 24 VDC@1.7A Power Supply with Connector
300021	Verionix Viewer™ Software Package for Windows-XP (Single-User, Multi-sensor license)

Note 1: Operating range for sensor as measured in Air (Gas-species and mixture dependent)

Note 2: Starting range measures the ability of Verionix microplasma to start in Air at the pressure level noted. It is gas-species/mixture dependent and may change with use and process application

Note 3: Stability is measured assuming constant conditions including pressure, gas composition and ambient temperature. Contact Verionix Support for more details.