

Vx-2300 Series System Packages



PN 910011R2 (Effective November 2007)

Order Number	Description	Application Area	Performance		
			Operating Range (See Note 1)	Starting Range (See Note 2)	Stability (See Note 3)
300036	Vx-2300 System Package	General purpose	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300037	Vx-2300 System Package with Digital/Analog Interface	General purpose	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300038	Vx-2301 System Package	Etch-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300039	Vx-2301 System Package with Digital/Analog Interface	Etch-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300040	Vx-2302 System Package	Deposition-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300041	Vx-2302 System Package with Digital/Analog Interface	Deposition-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)

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

Note 2: Starting range measures the ability of Verionix microplasma to start in Argon 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-25 flange tailored to operate within the pressure and process environment as specified.
- Electronic Control Module (ECM):** Vx-2300 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-2300 Series Components



PN 910012R2 (Effective November 2007)

Vx-2300 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)
300048	Vx-2300 Sensor	General purpose	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300049	Vx-2300 Sensor with Digital/Analog Interface	General purpose	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300050	Vx-2301 Sensor	Etch-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300051	Vx-2301 Sensor with Digital/Analog Interface	Etch-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300052	Vx-2302 Sensor	Deposition-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300053	Vx-2302 Sensor with Digital/Analog Interface	Deposition-resistant	0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)

Replacement Microplasma Source Cells (New & Refurbished)

Order Number	Description		Performance		
			Operating Range (See Note 1)	Starting Range (See Note 2)	Stability (See Note 3)
300005	New Vx-2300 Microplasma Source Cell (General Purpose)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300045	Refurbished Vx-2300 Microplasma Source Cell (Note 4)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300006	New Vx-2301 Microplasma Source Cell (Etch-Resistant)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300046	Refurbished Vx-2301 Microplasma Source Cell (Note 4)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300043	New Vx-2302 Microplasma Source Cell (Deposition-Resistant)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)
300047	Refurbished Vx-2302 Microplasma Source Cell (Note 4)		0.01 - 1 Torr	0.01 - 1 Torr	± 1.5% (1-σ)

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)

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