



**ESD Sensing &
Process Monitoring**

WWW.ION.COM

Ionizer Balance Monitoring & Feedback Control

NOVX SERIES 3150 SINGLE-FAN IONIZER CONTROLLER

The Novx Single-fan Closed-loop Ionizer Controller Series 3150 is an affordable field detection, ionizer balance, and feedback controller monitor. The Series 3150 is a digital instrument with “settable” warning and alarm levels. For process control, alarm conditions may be reported using an optional “open collector” alarm status signal. This instrument can be ordered with a free standing or remote antenna configuration.

Features and Benefits

- Field Detection
- Ionizer Balance Monitoring
- Closed-loop Control
- Audible Alarm
- Programmable Warning and Alarm Set-points
- LEDs for In-balance Warning and Alarm
- Powered by Ionizer
- Small Footprint and Light Weight
- Digital Controller
- Microprocessor-based
- Integral Antenna and Sensor
- Reduce Process Variations and Provide Continuous Monitoring
- Control Ionizer Balance to $\pm 0.2V$
- Consistent Cost and Performance Advantages Over any Other Possible Solution

Specifications

Capacity	Single-fan
Accuracy	±0.2V
Audible Alarm Set-points	Yes
5 LEDs	±Red (Alarm); ±Yellow (Warning); Green (OK)
Set-point Adjustments	User Settable
Zero Balance Pots	Settable
Input Voltage (standard)	±5V
Input Impedance	>10 Gohms
Output Voltage	±2V
Power Supply	+24 VDC @ <0.1A
Dimensions	3.53"H x 1.12"W x 1.62"D
Weight	4 oz
Enclosure	Stainless Steel

Special Features

The Series 3150 is a microprocessor-based instrument that controls one "intelligent" ionizer fan or monitors any type of ionizer for balance performance. It is user-programmable to meet individual performance specifications.

This instrument is stand-alone with five LEDs and an audible alarm. All alarm settings are reset by pressing the momentary switches in the instrument while alarm levels are supplied to instrument sensor. The instrument is powered by the ionizer or optional external AC power.

Options

3150: Single ionizer controller with integrated antenna

3151: Single ionizer controller with remote antenna

3155: Single channel ionizer monitor with integrated antenna

3156: Single channel ionizer monitor with remote antenna

Calibration

Instruments are shipped already calibrated and certified. Calibration must be validated annually to meet ISO certification compliance requirements.

Customer Support

Technical support, custom training and optional extended Service Agreements are all available. Contact your sales representative for details. Specifications are subject to frequent changes.



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