

Charge Plate Analyzer model 300

Specifications:

Charger: ± 1100 volts, selectable polarity

Fieldmeter:

Range: 0 to ± 1300 volts on display
0 to ± 1800 volts analog output
1 volt resolution

Accuracy: $\pm 2\%$ of reading $\pm 2V$ + zero offset

Bandwidth: 6Hz

Analog output: 1/1000 of plate voltage, $\pm 3\%$ typical

Trip Points: Start Voltage: 1000 volts fixed
Stop Voltage: 10 to 990 volts in 1V steps

Charge Plate:

Size: 6"x6" (15cm x 15cm)

Capacitance: 20pf, $\pm 10\%$

Plate self discharge: Less than 100 volts within 5 minutes (< 60% R.H.)

Timer:

Range: 0.1 sec to 999.9 sec

Resolution: 0.1 sec

Accuracy: 0.1 sec

Power

Requirements: 100 to 220 VAC nominal line voltage; less than 5 Watts.

Battery Life: >8 hours

Dimensions: Approx 6.375"W x 8.5"D x 6H"

Weight: Approx 5.2 lbs.

The finest Electrostatic instrumentation and support:

For more than 50 years - ever since we invented the feedback-nulled electrostatic voltmeter, Monroe has been the technology and quality leader in electrostatic detection and measurement instrumentation. Today we offer the world's most complete array of fieldmeters, voltmeters, and resistivity meters. Our customers include the leading makers of photocopiers and laser printers, converters and microelectronics worldwide.

We know you need quality support as well as quality products. We pride ourselves on providing our customers with the most knowledgeable applications and installation support — as well as superior customer service.

Calibration:

Monroe Electronics instruments are factory-calibrated prior to shipment. Recalibration should be performed annually, or more frequently if specified by contract or company policy. Your instrument should also be recalibrated any time it has been repaired or tampered with. We will be happy to perform the calibration for you or refer you to one of our Authorized Service Organizations.

Warranty:

Monroe Electronics, Inc., warrants that each instrument and sub-assembly manufactured by them shall be free from defects in material and workmanship for a period of two years after shipment from the factory. This warranty is applicable to the original purchaser only.

The Monroe Electrostatic & ESD product line is now owned by Advanced Energy and managed by TREK in Lockport, NY.

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**Advanced
Energy**

Features:

- Measures, displays and stores last test data, including discharge times, peak offset voltages, and average offset voltage.
- Easiest, most reliable way to check effectiveness of all ionization-type static control systems
- Meets Requirements of ANSI/ESD STM 3.1
- Removable, cable-connected ion collecting plate probe permits precise positioning and remote monitoring
- Separate time and voltage displays for discharge time test
- Recorder output for permanent records and unattended operation
- One range measures from 0 to $\pm 1\text{kV}$
- Dramatically demonstrates induced charges and human body potential
- AC and battery operation
- Perform long-term balance tests
- Includes 300 Graphing Software

***Evaluate all ionization systems
and demonstrate charge presence***

Test all types of ionization systems.

***Peak voltage monitors hold the peak
voltage and polarity (positive or negative)
sensed on the ion collecting plate for
pulsed-DC ionization systems.***



Operation

Uses large, high-contrast, alpha/numeric LED displays for easy reading at any viewing angle, even in high ambient lighting conditions. Individual LED's, provide additional operation status during testing and setup. Single-button operation of manual +decay, -decay and balance ensures simple, easy operation. Balance tests record $\pm$ peaks and average reading. Each test can be customized in setup for stop trip levels and test duration. An automated set of tests can be initiated with a single button depress.

Operation and setup can be done via a USB port and PC software in addition to the front panel buttons. Test results can also be retrieved for automatic or manual test.

Real time analysis of ionizers can be done via the analog output.