

Ionizer Performance Analyzer Model 287

Features:

- All-in-One Instrument** –
Measures, displays and stores voltage, decay time,
temperature and humidity
- Exceeds current requirements of ESD
Assn. DSP3.3 for Periodic Verification
of Air Ionizers**
- Tests balance and decay**
- Low cost/performance ratio**
- Hand-held, battery operated**
- Microprocessor driven**
- Built-in self tests**
- Exclusive ME Two-year Warranty**

Now take the mystery out of ionizer testing

Test your AC or DC room ionizers, laminar flow, overhead or benchtop ionizers or ionized compressed gas systems as simply as pushing a button.

Operation

Model 287 performs manual or automatic decay and balance tests for periodic verification of ionization equipment. It then stores the results and averaged decay times for up to ten manual tests and up to ten complete automatic test sequences. Temperature and relative humidity are displayed real-time and recorded with the test data.

All instrument functions are controlled by four pushbuttons

In DECAY mode a built-in high voltage generator charges the plate to over 1050 volts. During test the plate will discharge toward zero in the presence of ionization. The elapsed time of decay between 1000 volts and 100 volts is displayed.

In the BALANCE mode, isolated plate voltage, test duration and + and – peak voltages are displayed.

Self-tests include battery check and tests for functional errors.

**ME MONROE
ELECTRONICS**

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Specifications:

- Charger:** ± 1100 volts, selectable polarity
- Fieldmeter:**
 - Accuracy** $\pm 5\%$ of reading, $\pm 2\%$ typical
 - Zero Drift** $< \pm 4V$ in 90s, $\pm 2V$ typical
- Trip points:** Fixed 1000V and 100V
- Charge plate:** 1.7"x4" (≈ 10.6 inches periphery)
 - Capacitance** $\approx 25pF$
 - Self-discharge** $< 10\%$ of full scale in 200s
- Display:** 2x16 LCD, > 5 updates per second
- Timer** 200.0s maximum, 0.1s resolution
- Fieldmeter** $\pm 1250V$, 1V resolution
- Sensors:**
 - Humidity** $\pm 5\%$ typ. from 10% to 90%RH @25°C
 - Temperature** $\pm 2^\circ C$ typical
- Oper. temp.:** 25°C, $\pm 10^\circ C$
- Battery:** 9 volt NEDA #1604A or equivalent alkaline (> 40 hour life or > 1300 charge cycles). Longer life may be achieved by using 9-volt lithium.
- Dimensions:** 8.1x4x1.9 inches (206x102x48 mm)
- Weight:** 1lb, 6 oz. (0.63 kg)



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Specifications subject to change without notice
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