

# Charged Plate Analyzer

## Model 204



Electrostatic  
Instrumentation



**Validate the performance of your static control system.** Apply a calibrated charge to objects, surfaces, or static fields and accurately measure the time for discharge to a 10% cutoff. Measures static field strength.

The ETS Model 204 does it all in accordance with industry specifications such as the ESDA STM 3.1 and ESD SP3.1 standards. The Model 204-6 is a configuration that meets automotive standard SAE J1645 for fuel line systems.

The Model 204 is a light-weight battery-powered instrument designed to measure the dissipative effectiveness of ionizers, static dissipative material, and ESD controlled installations.

### Applicable Standards

ESDA STM 3.1, SAE J1645, ESD STM 97.2, ESD ADV 11.2, ESD SP3.1

### Applications

- Stand Alone
- Decay Validation
- Ionizer Balance
- Static Control of Materials
- Voltage generation measurement
- Static Meter
- Analysis of problem areas in static safe environments

### Key Features

- Precision instrument features chopper stabilized sensor for consistent results
- Internal  $\pm 1,200V$  Charging Source
- Internal Timer - Counts to 60 seconds
- Small, lightweight unit
- Battery operated with low battery indication
- Featured in ETS Model 2004 & 216 kits

[Model 216 Charge Plate Analyzer and Static Meter Kit show above](#)

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Questions? Here's how to contact our experts



3101 Mt Carmel Ave. Glenside, PA 19038



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### Specifications

#### **CHARGED PLATE DETECTOR**

**Capacitance:** 20±3pf

**Detector Plate:** 1 x 3" (25 x 76mm)

Plug-in option: 6 x 6" (152 x 152mm)

**Voltage Applied:** (+) Button: +1,200V, (-) Button: -1,200V

**Timer:** Start: 1,000V, Stop: 100V.

0-60 sec (Model 204, Standard)

0-6 sec (Model 204-6, SAE J1645)

Accuracy: 5% of Reading

Resolution: 0.1 sec

**Range:** ±2kV

**Resolution:** 1V

**Accuracy:** ±20%

#### **FIELDMETER**

**Range:** ±20kV @ 1" (25mm)

NOTE Display reads V/10: **1999** = 19,990V, **-500** = -5,000V, etc.

**Resolution:** 10V

**Accuracy:** ±10%

**Rec. Out:**

2.5mm mono jack

Signal: 10mV/kV

#### **GENERAL:**

**Sensor:** Vibrating Reed

**Display:** 3½-digit LCD

**HVPS:** ±1,200V (nominal)

**Power:**

9V Battery

Life: 20 Hrs. typical

Bat Low: All decimal points illuminated

**Ground:** ¼" Male Snap

Ground Cord: 10' (3m)

#### **MECHANICAL:**

Dimensions: 8"L x 2.4"W x .09"H (203 x 146 x 229mm)

Weight: 9 oz. (255gm)

**Warranty:** One (1) Year – Parts & Labor

To ensure consistent and valid results annual calibration is required

Contact: [service@ets2.com](mailto:service@ets2.com) for assistance.



*Specifications subject to change without notice.*

