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Product Development

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## **TriboElectric Charge (TEC) Analyzer**

**NEW! TEC-2  
Released!**  
*Available Now*

## **KEY PRODUCT FEATURES**

### ***Carrying Case***

All components needed to measure are integrated into a hard composition carrying case for user convenience. Although the balance is mounted with vibration isolators, the system should be treated carefully and not dropped.

### ***Default Setup***

No special setup is needed, open the case, plug in power and begin measurement. A default push button switch is included to set the system to default values for speed and voltage. System default settings are suitable for most day-to-day measurements.

### ***Custom Setup***

More experienced operators can make use of the custom setup features if required. This enables control over the plate-to-plate field, centrifugal effects, the taring of custom plates etc.

### ***Separator***

The separator unit includes a permanent multi-pole magnet attached to the shaft of a variable speed motor. The motor and magnet assembly are mounted to a variable position vertical axis to enable control of the magnetic field that is applied to the lower separator plate.

### ***Controls***

In general the default settings should be used. Available controls include: AC power on; Motor speed; Magnetic field position; Plate voltage; Plate polarity; Balance tare; and Range settings for each display.

### ***Precision Balance***

The precision balance included in the TEC Analyzer displays weight to within 0.1 milligrams. Typical measured toner masses are in the 20 to 30 mg range. The balance can be externally calibrated. An optional draft shield is also available. Balance controls include tare and range.

### ***Digital Display***

Large clear LED digital panel meters read 4 ½ digits. Separate meters for Weight, Motor Speed and Charge.

Product Features and Specifications	UNITS	MODEL TEC2
Toner Concentration Range	%	2 to 20
Tribo Range	C/gm	2 to 60
Readability (weight)	Grams (g)	0.0001
Operating Temp Range	°C	5 to 40
Input adapter		specify
Power Requirements		110/220 VAC 50/60 Hz
Linearity (weight)	Grams (g)	±0.0002
Accuracy	%	±5
Measurement Time	minutes	~5
Weight	Kg	18
Dimensions WxHxD	(cm)	48x25x42
Communication		N/A
Availability		Call for Availability!

The TEC Analyzer provides a single piece of portable equipment that measures toner concentration (TC) and powder electrostatic charge (Q/M) in two-component development systems.

No additional or external equipment such as weighing scale, air supply, meters etc. are required.



The TEC Analyzer has been designed for use by a service technician or by a manufacturing operator with little or no knowledge of development technology. It is a simple, portable, system for analyzing developer parameters in dual component developer systems used in reprographic printers, copiers and in two component electrostatic powder coating systems.

**Call TPR for more  
information!  
1-877-929-4800**