OTHER TPR OFFERINGS:

Strategy and Advisory

Consulting to provide insights and experience to guide technical and business decision-making, from TPR executives and technologists

- Product Development

All the technology, project management, engineering, and technical services to go-to-market with innovative and successful products

Testing Services

TPR maintains systems and people up to date on image permanence, product performance, printer yield, materials capabilities testing in our laboratories

- Process Development

Technology and technical staff at TPR offer innovative R&D experience and concepts to explore, prove, and deliver digital imaging applications to customer specifications

Complete ODM Capability

World-class manufacturing with TurnKey Plus, a division of TPR



TOOLS FOR PRODUCT DEVELOPMENT

Torrey Pines Research

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> www.tpr.com www.turnkey-plus.com

1387 Fairport Road, Building 900-G Fairport, NY 14450 Phone (585) 288-7220 Fax (585) 278-1155



TriboElectric Charge (TEC) Analyzer

KEY PRODUCT FEATURES

Carrying Case

All components needed to measure are integrated into a hard carrying case for protection and user convenience.

Default Setup

No special setup is needed - just open the case, plug in the power cord, and begin measurement. A default push button switch is included for easy set up of speed and voltage for most day-to-day routine measurements.

Custom Setup

More experienced operators can utilize custom setup features to control the plate-to-plate electric field, centrifugal separation effects, tarring of custom plates and more

Toner-Carrier Separator

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

Controls

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

Precision Balance

The precision mass balance in the TPR TEC Analyzer measures mass to within 0.1 milligrams. The balance can be externally calibrated. An optional draft shield is available. Balance controls include tare and range. Although the balance is mounted with vibration isolators, the TEC Analyzer should be handled with care.

Digital Display

Large, clear LED readouts display Weight, Motor Speed, and Electrostatic Charge.

Product Features and Specifications	UNITS	MODEL TCT-1
Toner Concentration Range	%	2 to 20
Tribo Range	microC/gm	2 to 40
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

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



The TEC Analyzer is an integrated, self-contained portable toolkit that measures toner concentration (TC) and electrostatic charge-to-mass (Q/M) of modern dual-component developer materials used in reprographic printers, copiers, and other dual component electrostatic powder coating systems.

Unlike traditional blow-off separator systems, the TPR TEC Analyzer can work with toner and carrier materials with overlapping size distributions.

No additional or external equipment is required. The TEC Analyzer contains the weighing scale, magnetic & electric field separator system, and electrometer.



The TEC Analyzer can be easily operated with little or no knowledge of toner development technology.