

ELA 3.2

CHARGE DECAY APPARATUS CHARGE RELAXATION TIME TEST POWDERS & SOLIDS

Model: ELA 3.2

Rev. 2019

STANDARD REFERENCES:

- EN 61340-2-1:2015 Electrostatics. Measurement methods. Ability of materials and products to dissipate static electric charge.
- IEC 61340-2-1:2015 Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge



SPECIFICATION:

Main blocks	High voltage power supply Fieldmeter Dust & solids cells Corona charge electrode DAQ block ANKO ChargeReq® program Glove box Laptop or desktop PC (optional)
Test charge voltage	typical range 5-10kV available range 10V-30kV
Charge principle	corona charge
Corona deposition time	manual adjustment typical value < 50ms
High voltage power supply	front panel voltage adjustment remote control LCD display voltage monitor safety interlocks
DAQ block	automatic data logging remote start & automatic stop USB connection
Tested materials	solids, granulates, pastes, powders
Relative humidity	12 ±3% Rh during test and during >48h conditioning
Test temperature	23±2 °C during test 23±2 °C during >48h conditioning

DEDICATED GLOVE BOX:

Temperature & Rh [%] control

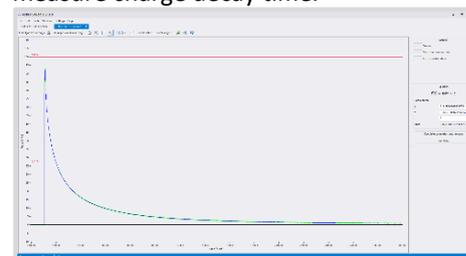
Antistatic gloves; Air lock

Outside dimensions (WxHxD):
1300x850x675 mm

Chamber dimensions (WxHxD):
1000x800x600 mm

THE PRINCIPLE OF TEST:

The sample surface is charged with corona discharge within maximum 50ms. High voltage electrode is fully moved away in less than 20ms, opening simultaneously shielded aperture of fieldmeter, used to measure charge decay time.



ANKO ChargeReq® program is used for graphical analysis and calculation of results.

The information given in this document represents the state of engineering at the time of publishing. We reserve the right to make modifications to above specifications.