Golly - This is attracting!

QUMAT®-428 STATICS
A contact less static measure system

- Classification from electric / static characteristic
- Contact less measuring from the complete foil (not only the surface)
- Result are saved as an Excel / PDF document

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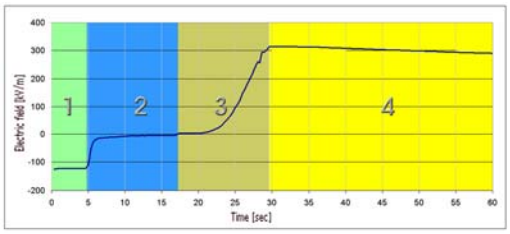
QUMAT®- 428 Statics

Description:
The QUMAT®-428 characterises the electrostatic properties of different materials. The material can be paper, foil, or a compound of foils. Any material can be used also some with has a thickness of less then 3 mm.

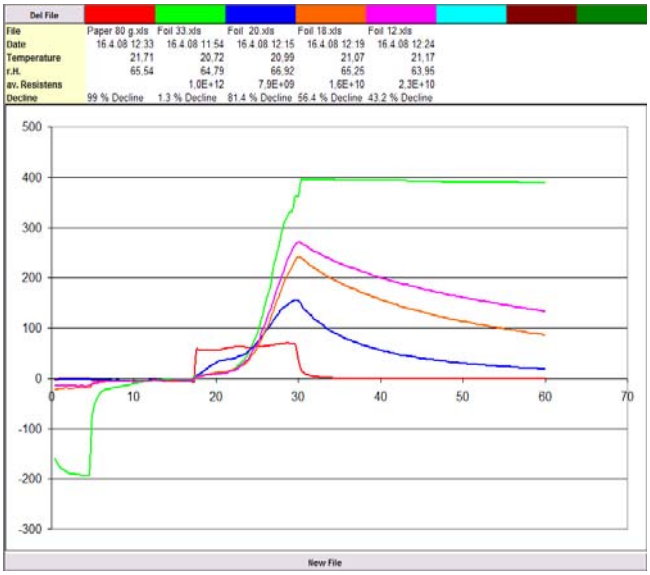
The typically sample size is 20x8 cm².
We fix the sample at the QUMAT®-428 and announce the sample at the PC.
After that you just have to push the button and so the measure starts.



The measure procedure is done with the following four steps:

Step 1 Recording of the charge which is already on the sample.

Step 2 Removing the charge contact less completely from the sample. The discharge is obtained with ionised air. This step is important to become steady results. If we do not discharge the sample the result is depends on the starting charge. The starting charge depends from the clothes, shoes of the employer and many different things more.



Compare modus:
At the PC it is easy to evaluate different samples. With the integrated compare program you can see the different results on the screen.

Step 3 Loading contact less a well defined charge onto the sample.

Step 4 Recording the change of charge on the sample with a high sensitive field measuring instrument. The characteristic of the decreasing charge is used to describe exactly the quality of the sample.

Features:

- Reproducible fast measurement (typically 60 seconds)
- Record of charge and discharge of the sample
- Easy handling
- Small sample size (8x20cm²)
- Evaluation, storage at a PC

Technical information:

- Measuring range from the electric field ± 0-1000 kV/m
  (Record by a "field mill")
- Registration of temperature and relative humidity
- Communication between QUMAT®-428 and PC via RS-232/ USB
- PC driver for Windows 2000/ XP/ XP Pro/ Vista
- All registration are at a Excel File (The QUMAT®-428 requires Excel ≥ 2000)
- Power supply 230V 50Hz 40 VA

Order number 428.100

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