



TECHNICAL DATA SHEET



ROSE Tester 54

Device designed to measure the amount of ionizable impurities of a PCB.
Complies with standard IPC-TM-650, 2.3.25 (Static extraction method).
Resulting value: $\mu\text{g NaCl Eq./cm}^2$.



ADVANTAGES

As the manufacturer, DCT company can customize dimension of the device according to the customer requirements.

Process chamber made from **electrochemically polished stainless steel**.

Distribution formed.

Sensitivity of probe is 0,0001 µS/cm - the most sensitive probe available on the market.

The device tests PCBs using the **method of the static extraction**.

Enables type of **solution: 75/25**.

The device is able to **heat the solution up to 40 °C**.

For the testing, the **PC is not needed**.

Easy-to-use measurement wizard consisting of 3 steps.

After the start of measurement, the device **mixes the solution equally**.

Streaming helps to release impurities from the PCB.

The device includes **special software ROSE View** for the management of measurement data in the PC.



TECHNICAL PARAMETERS

Dimensions (w x l x h)	822 x 778 x 744 mm
Dimension of testing chamber	156 × 500 × 466 mm
Maximal size of PCB	130 x 490 x 420 mm
Weight	130 kg
Protection	IP44
Noise level	< 54 dB
Process volume of the chamber	36 l
Sensitivity of the conductivity sensor	0,0001 µS/cm
Automatic regeneration	ionex, active carbon
Ambient temperature	20-40 °C
Test time	15-90 min
Data transfer	USB, internal ethernet
Internal card slot	SD card (4 GB card embedded)
Device control	PLC + 8,4" touchscreen



INSTALLATION REQUIREMENTS

Power supply	230 V, 50Hz (3+N+PE)
Power connection	EU 16 A



MEASUREMENT WIZARD

1. MEASURED PARAMETERS

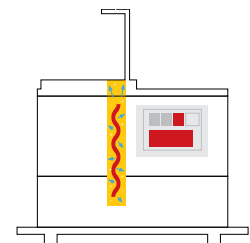
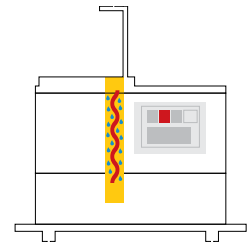
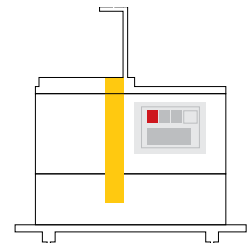
1 size of PCB	max. 130 x 490 x 420 mm
2 extract solution	75% IPA / 25% DI
3 time of measurement	10 - 60 min
4 temperature of solution	20 - 40 °C
5 limit of the contamination	no restriction

2. PREPARATION OF MEASUREMENT

1 liquid heating	up to set by user in °C
2 deionization extraction solution	to 0,062 uS/cm

3. MEASUREMENT

1 technology	ASISTANT MIX SYSTEM
2 measurement result	PASS or FAIL

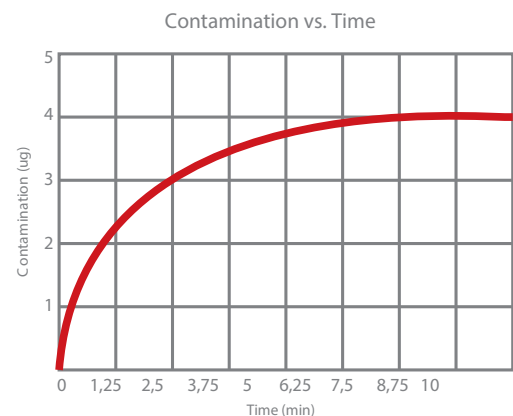


MANAGEMENT OF MEASUREMENT DATA IN THE PC

ROSE VIEW

specialized software for administration of the measurement data

- easy installation
- easy import of the measurement data
- measurement data are displayed in the table and in the chart
- data can be filtered and sorted
- export of the measurement protocol into PDF
- available for OS Windows (with .NET 4.0)





Date of issue: **February 2019**

For more information about ROSE tester 54 you can contact DCT specialist in your country or the manufacturer directly.

DCT Czech s.r.o., Tovární 85, 679 21 Černá Hora, Czech republic
e-mail: info@dct.cleaning