



TECHNICAL DATA SHEET



ROSE tester 32

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 is given: $\mu\text{g NaCl Eq./cm}^2$.



ADVANTAGES

DCT company produces identical measuring device with which you can measure bigger PCB - **ROSE Tester 54**.

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

Distribution formed **tubes from teflon**.

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

The device is able to **heat up 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.

Minimal flat of PCB (one or more small pieces) is 50 cm².



TECHNICAL PARAMETERS

Dimensions (w x l x h)	722 x 630 x 532 mm
Dimension of testing chamber	56 x 352 x 270 mm
Maximal size of PCB	210 x 297 mm
Weight	70 kg
Protection	IP44
Noise level	< 54 dB
Process volume of the chamber	5 l
Sensitivity of the conductivity sensor	0,0001 µS/cm
Automatic regeneration	ionex, active carbon
Ambient temperature	up to 40 °C
Test time	20 or 40 min
Data transfer	USB, internal ethernet
Internal card slot	SD card (4 GB card embedded)
Device control	PLC + 8,4" touchscreen



INSTALLATION REQUIREMENTS

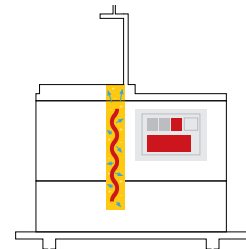
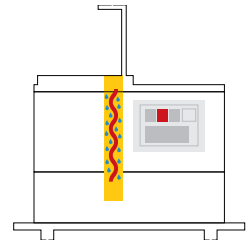
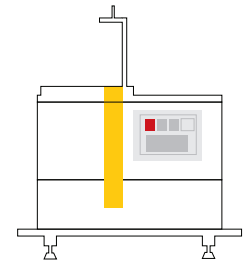
Power supply	230 V, 50Hz (3+N+PE)
Power connection	EU 16 A



MEASUREMENT WIZARD

1. MEASURED PARAMETERS

1 identification data	name of test, PCB and operator
2 size of PCB	max. 210 x 297 mm
3 extract solution	75% IPA / 25% DI
4 check of extract solution	<i>after inserting density and level of solution data, the device will measure the IPA/DI concentration</i>
5 time of measurement	20 or 40 minutes
6 temperature of solution	up to 40 °C
7 limit of the contamination	to 2 µS/cm



2. PREPARATION OF MEASUREMENT

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

3. MEASUREMENT

1 technology	ASISTANT MIX SYSTEM
2 measurement result	PASS or FAIL

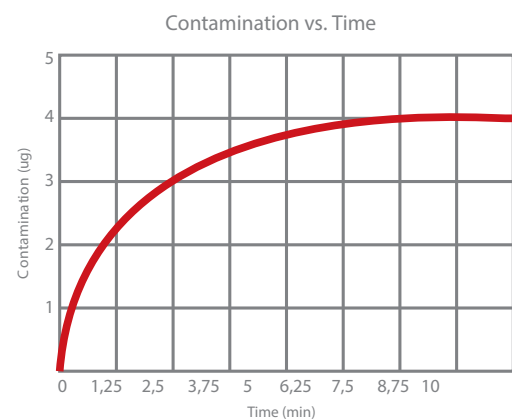


MANAGEMENT OF MEASUREMENT DATA IN THE PC

ROSE VIEW

specialized software for administration of the measurement data

- easy installation
- measurement data are displayed in the chart
- export of the measurement protocol into PDF
- available for OS Windows (with .NET 4.0)





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For more information about ROSE tester 32 you can contact DCT specialist in your country or the manufacturer directly.

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