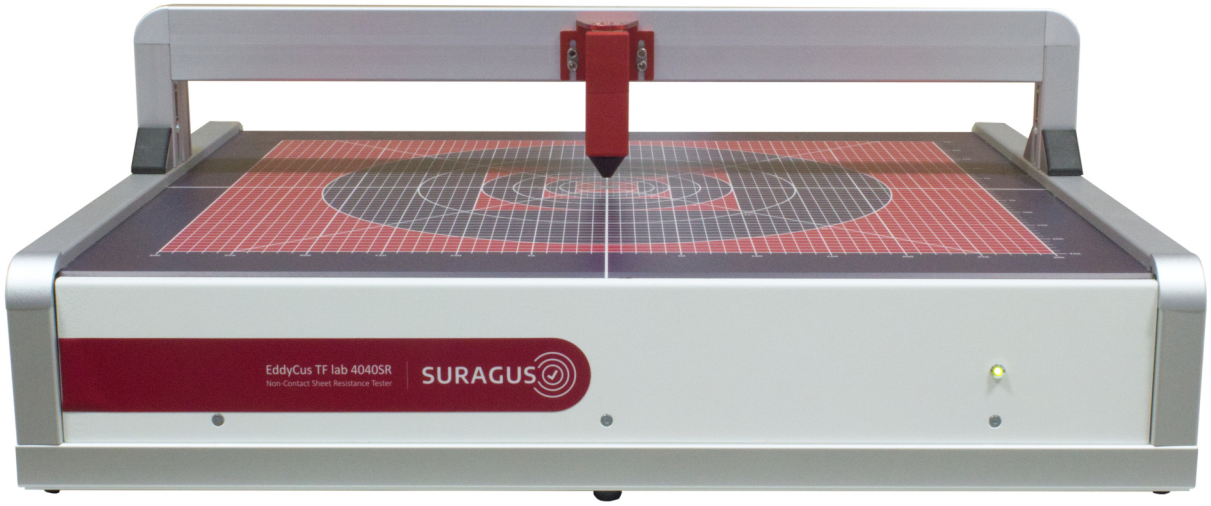
EddyCus® TF lab 4040SR – Sheet Resistance Tester

P_T_4040SR_23



Highlights

- Contact-free and realtime
- Accurate single-point measurement
- Characterization of multilayer materials upon request
- Manual mapping of sheet resistance guided by easy-to-handle software

Device Series

- Metal thickness (nm, µm)
- Sheet resistance (Ohm/sq)
- Emissivity
- Conductivity / resistivity (mOhm cm)
- Electrical anisotropy (%)
- Weight (g/m²) and drying status (%)
- Permeability (H/m) Beta
- Optical transmittance, reflectance, haze (%)

Applications

- Architectural glass (LowE)
- Touch screens and flat monitors
- OLED and LED applications
- Smart-glass applications
- Transparent antistatic foils
- Photovoltaics
- Semiconductors
- De-icing and heating applications
- Batteries and fuel cells
- Packaging materials

Materials

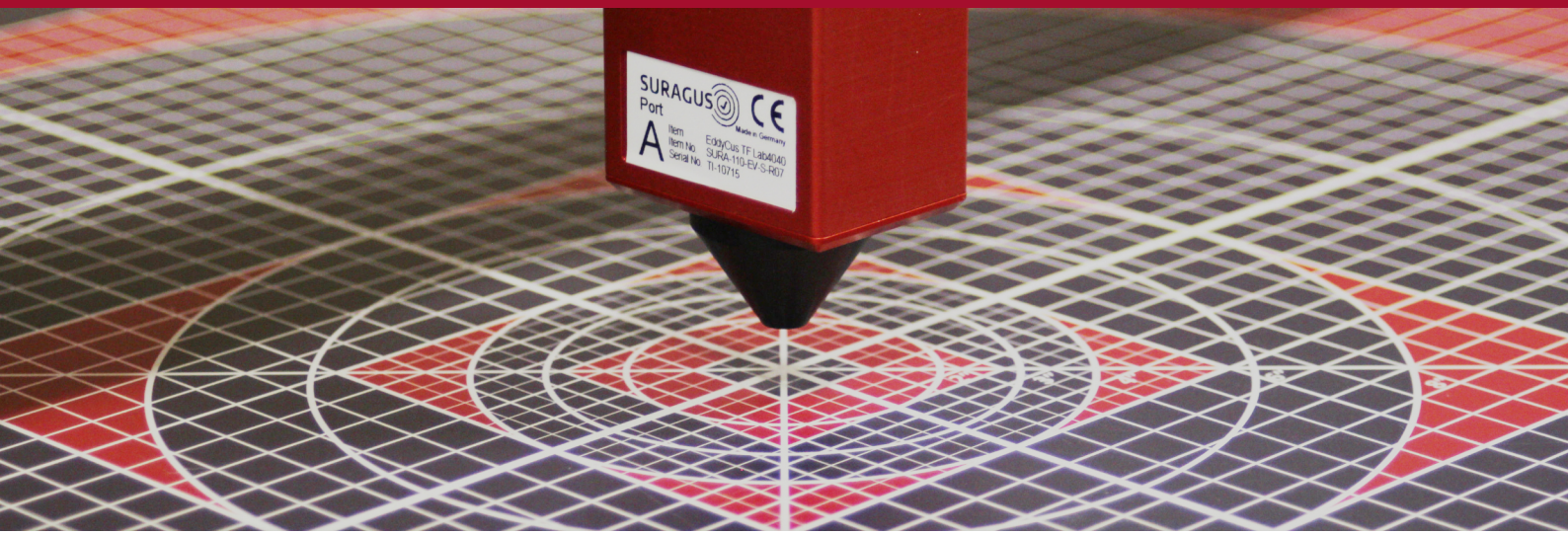
- Metal films and meshes
- Conductive oxides
- Nanowire films
- Graphene, CNT, Graphite
- Printed films
- Conductive polymers (PEDOT:PSS)
- Other conductive films and materials

SURAGUS GmbH
Maria-Reiche-Strasse 1
01109 Dresden
Germany

上海昊量光电设备有限公司
中国区代理
官网：www.auniontech.com 电话：021-34241961
邮箱：info@auniontech.com
地址：上海市徐汇区虹梅路2007号远中产业园三期6号楼3楼

Engineered and Made in Germany

EddyCus® TF lab 4040SR – Sheet Resistance Tester



Measurement technology	Non-contact eddy current sensor
Substrates	Foils, glass, wafer, etc.
Substrate area	29.5“ x 25.6“ / 750 mm x 650 mm (for 400 mm x 400 mm samples)
Max. sample thickness/ sensor gap	3 / 5 / 10 / 25 mm (defined by the thickest sample)
Thickness measurement range of metal films (e.g. copper)	2 nm – 2 mm (in accordance with sheet resistance)
Device dimensions (w/h/d) / weight	30“ x 12“ x 26“ / 760 mm x 310 mm x 660 mm / 20 kg
Further available features	Sheet resistance measurement, Metal thickness tester, Anisotropy sensor , Optical transmittance, reflectance, haze

	VLSR	LSR	MSR	HSR	VHSR
	6 decades are measurable by one sensor, but with slightly affected accuracy				
Range [Ohm/sq]	0.0001 – 0.1	0.01 – 10	0.1 – 100	10 – 2,000	1,000 – 200,000
Accuracy / Bias	± 1%			± 1 – 3%	± 3 – 5%
Repeatability (2σ)	< 0.3%			< 0.5%	< 0.3%

VLSR – Very Low Sheet Resistance , LSR – Low Sheet Resistance , MSR – Medium Sheet Resistance , HSR – High Sheet Resistance , VHSR – Very High Sheet Resistance

Device Control and Software