Data Sheet- EddyCus® TF lab 2020 Series

P_T_2020_11

Highlights

- Contact-free and real time
- Accurate single-point measurement
- Characterization of multilayer systems on request
- Manual mapping of sheet resistance guided by an easy-to-handle software

Parameters

- Sheet resistance (Ohm/sq)
- Metal layer thickness (nm, µm)
- Metal substrate thickness (µm)
- Anisotropy
- Defect detection
- Integrity assessment

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

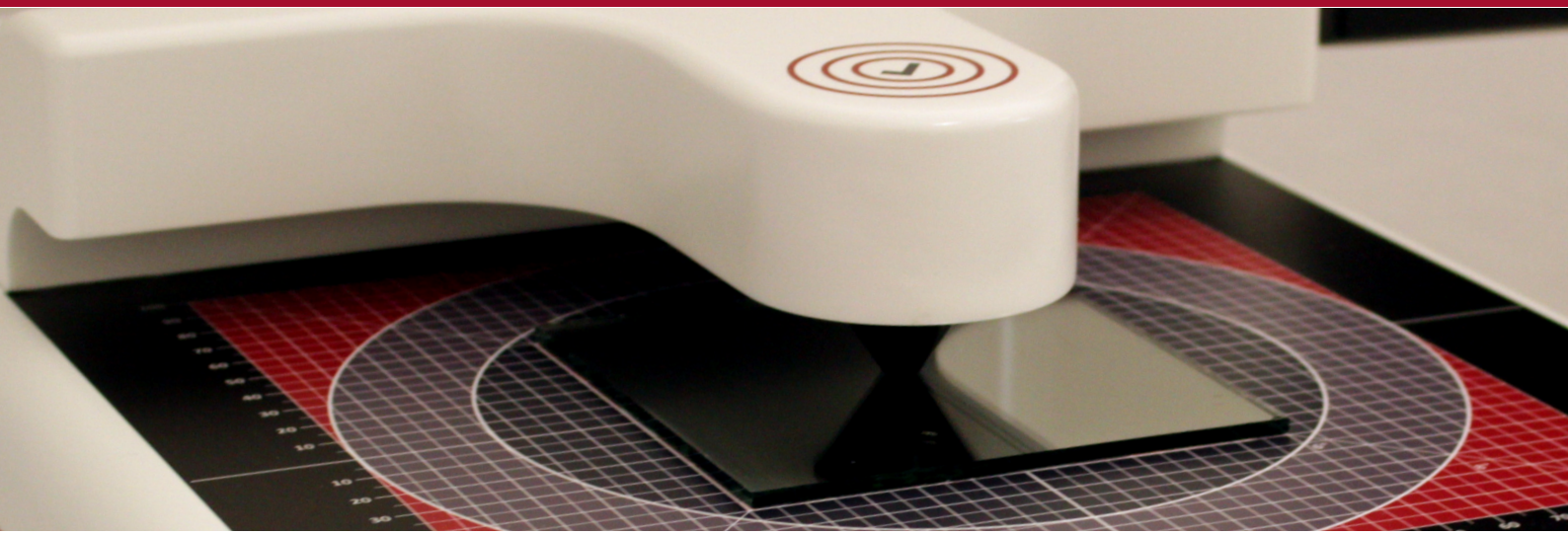
SURAGUS GmbH
Maria-Reiche-Straße 1
01109 Dresden
Germany

+49 351 32 111 520
info@suragus.com

www.suragus.com
www.sheet-resistance-testing.com
www.suragus.com/FAQ
www.suragus.com/EddyCusLab2020

Made and Engineered in Germany

Innovation Award by Free State of Saxony 2013
1st Place



Sheet resistance measurement technology	Non-contact eddy current sensor
Substrates	e.g. foils, glass, wafer, etc.
Substrate area	8 inch/ 204 x 204 mm (open to three sides)
Max. sample thickness/ sensor gap	1 / 2 / 5 / 10 / 25 mm (defined by the thickest sample)
Sheet resistance range accuracy can be optimized over sheet resistance decade within a customer specified range	Low 0.0001 - 10 Ohm / sq; 1 to 5 % accuracy Standard 0.01 - 1,000 Ohm / sq; 1 to 5 % accuracy High 10 - 100,000 Ohm / sq; 2 to 8 % accuracy
Thickness measurement range of metal films (e.g. copper)	2 nm - 2 mm (in accordance with sheet resistance)
Device dimension (w/h/d) / weight	11.4 x 17.5 x 5.5 inch / 290 x 140 x 445 mm / 10 kg
Available features	Sheet resistance measurement / Metal thickness tester

Software and Handling - Sheet Resistance Analyzer 2.0