Highlights

- Contact-free imaging
- High resolution imaging (25 to 1,000,000 points)
- Defect imaging
- Mapping of encapsulated layers

Parameters

- Sheet resistance (Ohm/sq)
- Metal layer thickness (nm, µm)
- Metal substrate thickness (µm)
- Anisotropy
- Defects
- 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

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Made and Engineered in Germany

Innovation Award by Free State of Saxony 2013
1st Place
### EddyCus® TF map 2525 Series

#### Measurement technology
- Non-contact eddy current sensor

#### Substrates
- E.g. Foils, glass, wafer, etc.

#### Max. Scanning area
- 10 inch / 254 x 254 mm (larger on request)

#### Edge effect correction / exclusion
- 2 mm edge exclusion for standard sizes

#### Max. Sample thickness / sensor gap
- 2 / 5 / 10 / 25 mm (defined by the thickest sample)

#### Sheet resistance range
- Low: 0.0001 - 10 Ohm / sq; 2 to 8 % accuracy
- Standard: 1 - 100 Ohm / sq; 2 to 8 % accuracy
- High: 10 - 100 Ohm / sq; 4 to 8 % accuracy

#### Thickness measurement of metal films (e.g. Aluminum, Copper)
- 2 nm - 2 mm (in accordance with sheet resistance)

#### Scanning Pitch
- 1 / 2 / 5 / 10 mm (other on request)

#### Measurement points per time (quadratic shape)
- 10,000 measurement points in 5 minutes
- 1,000,000 measurement points in 30 minutes

#### Scanning time
- 4 inch / 100 x 100 mm in 0.5 to 5 minutes (1-10mm pitch)
- 8 inch / 200 x 200 mm in 1.5 to 15 minutes (1-10mm pitch)

#### Device dimension (w/h/d) / weight
- 23.6 x 9.05 x 31.5 inch / 549 x 236 x 786(836) mm / 27 kg

#### Available features
- Metal thickness imaging
- Anisotropy sheet resistance sensor

### Software and Handling - Sheet Resistance Analayzer 2.0

![Software and Handling - Sheet Resistance Analayzer 2.0](image-url)