SURAGUS
Sensors & Instruments

Portable Contact Sheet Resistance Tester

DATA SHEET - **EddyCus® TF portable**

HIGHLIGHTS

- Real-time and easy-to-use
- Accurate single-point measurement of sheet resistance for conductive thin films (Ohm/sq)
- Layer thickness measurement of metal films (nm)
- Substrate thickness monitoring of conductive substrates (µm)
- Emissivity conversion
- Wireless data transfer via Bluetooth
- Data Center to manage and visualize data from different portable systems
- Easy to use software

APPLICATIONS

- > Architectural glass (LowE)
- > Touch screens & flat monitors
- > LED applications
- > Smart-glass applications
- > Transparent antistatic foils
- > Photovoltaics
- > De-icing & heating applications
- > Batteries & fuel cells
- > Packaging materials
- > Printed Electronics
- > ITO/ TCO/ Nanowires
- > Metal mesh & metal layers

EddyCus® TF portable – Sheet Resistance Tester

EddyCus® TF portable

Sheet resistance measurement technology	Eddy current sensor
Measurement mode	Real-time, constant distance measurement
Substrates	e.g. foils, glass, wafer, etc.
Substrate sizes	> 150 x 150 mm (6x6 inch)
Measurement spot / high sensitivity zone	40 mm diameter (1,6 inch)
Power	Lithium ion battery; > 9 h
Sheet resistance range (four setups are available)	Type very low: 0.001 – 0.1 Ohm/sq Type low: 0.04 – 1 Ohm/sq Type standard: 0.3 – 50 Ohm/sq Type high: 0.3 – 100 Ohm/sq
Thickness measurement of thin films (e.g. copper)	5 nm – 500 μm (in accordance with sheet resistance)
Emissivity range	0.005 – 0.2
Accuracy	better 3 %
Display	2.8 inch colored touch screen
Device dimension (w/h/d) @ weight	7 x 3,5 x 1,9 inch / 178 x 87 x 48 mm @ 340 g
Interfaces	Bluetooth (optional) + Data Center

SOFTWARE & HANDLING – EddyCus® TF portable touch Control

- Portable
- Non destructive contact measurement
- Real-time and easy-to-use
- Data recording function
- Accurate and reliable
- Touch screen
- Customizable calibrations
- Data aggregation in PC via Bluetooth