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

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DATA SHEET

EddyCus® TF portable – Sheet Resistance Tester

Sheet resistance measurement technology

Measurement mode
Substrates
Substrate sizes
Measurement spot / high sensitivity zone
Power
Sheet resistance range
(four setups are available)

Thickness measurement of thin films (e.g. copper)

Emissivity range

Accuracy

Display
Device dimension (w/h/d) @ weight

Interfaces

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

Eddy current sensor

Real-time, constant distance measurement

e.g. foils, glass, wafer, etc.

> 150 x 150 mm (6x6 inch)

40 mm diameter (1.6 inch)

Lithium ion battery; > 9 h

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

5 nm – 500 µm (in accordance with sheet resistance)

0.005 – 0.2

better 3 %

2.8 inch colored touch screen

7 x 3.5 x 1.9 inch / 178 x 87 x 48 mm @ 340 g

Bluetooth (optional) + Data Center