Efficient Testing Solutions

Data Sheet EddyCus® TF inline WT

Highlights

- Contact free and real time
- Accurate measurement
- For high resistive metal filaments
- For high value conductive fibers
- Up to 200 sensors
- Single-lane and multi-lane solutions
- High production speed up to 10 m/s
- Feed data directly to a PLC

Parameters

- Conductive fiber uniformity
- Filament breakedge & fuzz
- Tow twist & splice
- Coating resistivity
- Conductive coating uniformity
- Impregnation dry/ wet
- Degree of metalization
- Fiber spreading
- Filament winding

Applications

- Surface resistivity (Ohm/sq)
- Electrical resistivity (Ohm/m)
- Metal substrate thickness (µm)
- Defects monitoring

Materials

- Coated yarn
- Metal fibers
- Conductive coating
- Nanowire (CNT, AgNW)
- Carbon fiber
- Smart textiles
- Shielding and EMI materials

Made and Engineered in Germany

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Innovation Award by Free State of Saxony 2013
1st Place

TUV
ISO 9001

WINNER OF 2016
### EddyCus® TF inline WT

| Parts geometry | Width: 1 - 20 mm  
|               | Height: 5 mm  
| Sensor size   | 1 - 20 mm  
| Sensor type   | Open / Closed loop  
| Measuring     | Resistivity (Ohm/m)  
|               | Sheet resistance (Ohm/sq)  
|               | Shielding quality  
|               | Coating uniformity  
| Measurement range | Resistivity 0.5 mOhm/m - 500 Ohm/m  
|               | Surface resistivity 0.001 Ohm/sq - 250 Ohm/sq  
| Speed         | 1 - 10.000 measurements per second  
| Mode          | Non-contact  
| Method        | Inductive and capacitive  
| Add-ons       | Scalable to multiple lines  
|               | Optical camera  
| Device size (w/h/d) | Standard 80 x 60 x 70 mm  
|               | Customized to integration position  

### Software - EddyCus® TF inline Series

- Several views and user level
- Live view with upper and lower limits and alarm functions
- Analysis view providing statistics
- Can handle data of several thousands measurements per second
- Data storage into SQL database
- Customizable automatic data export (csv, txt, xls,...)
- Several smart functions (automated DB cleaning, self-reference etc.)
- Parameterizable I/O modules (triggering of actions or alarms)