



## ROVING MONITOR FOR CARBON FIBER TOW TESTING DATA SHEET - EddyCus® CF roving Monitor

The **EddyCus® CF roving Monitor** is a inline sensor especially designed for the non-contact and continuous testing of carbon fiber rovings. The testing system utilizes the electrical conductivity of the carbon fibers to gain information such uniformity of the carbon fiber tow or yarn.

The EddyCus® system can be used to characterize carbon tow of any tex number that when entering a subsequent manufacturing process such as spreading, weaving, tailor

fiber placement, non-crimp production etc. The conductivity is linked to roving uniformity, hence the following defects can be detected: folds, accumulated fiber fuzz, entanglement, knots, splices or impregnation.

SURAGUS GmbH  
Maria-Reiche-Str. 1  
01109 Dresden  
Germany

E-Mail: [info@suragus.com](mailto:info@suragus.com)

Phone: +49 (0) 351 32 111 522  
Fax: +49 (0) 351 32 111 509

[www.suragus.com](http://www.suragus.com)  
[www.carbon-fiber-testing.com](http://www.carbon-fiber-testing.com)



Certified  
ISO 9001



Innovation Award by  
Free State of Saxony 2013  
1<sup>st</sup> Place

# DATA SHEET

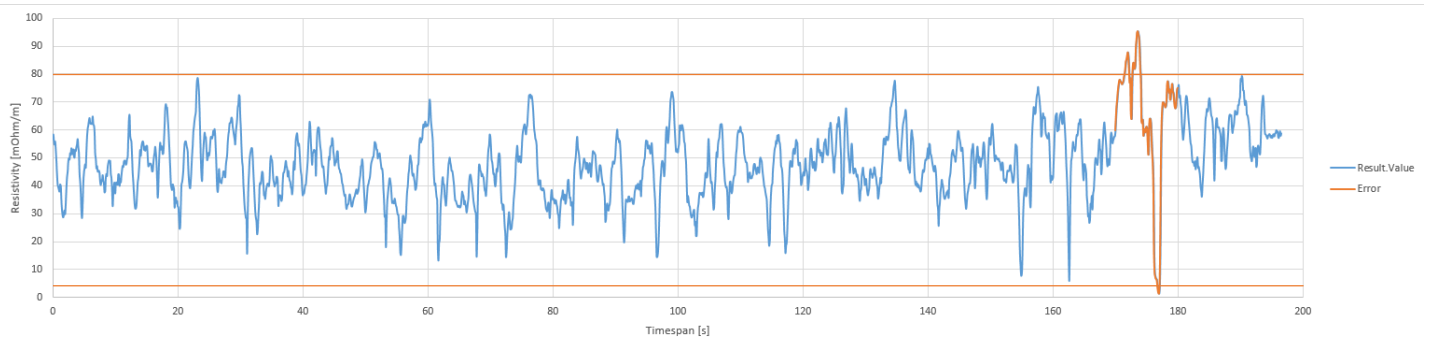
## EddyCus® CF roving Monitor – TOW testing



EddyCus® CF roving Monitor

Parts geometry	1- 20mm width x 5mm height
Sensor size	1 – 20mm
Speed	100 samples/s faster on request
Mode	non-contact
Carbon Fiber Materials	1k, 2k, 3k, 6k, 12k, 48k, 50k
Add-ons	Scalable to multiple lines
Device size (w/h/d)	Customized to integration position

### CHARACTERIZATION & APPLICATION



#### Sensitive to

- Fiber uniformity
- Carbonization
- Accumulation of fiber cracks
- Splices
- Tow twist
- Fuzzy balls
- Entanglement
- Coating
- Impregnation dry / wet

#### Application Materials

- Carbon tow
- Coated yarn