

Ionic wind is an attractive technique for generating air flow for thermal management of electronic components. This is a power-efficient, noiseless, and vibration-free ...

presented. The point is, that by using the similitude with electrical systems, it is highlighted the dissymmetry occurring between three measurement points placed on the stator of the wind ...

The paper also provides experimental results of direct temperature measurement of the excitation winding surface conducted in the salient pole synchronous generator in the rotation Temperature ...

Measuring MNm torques as part of a prototype testing campaign of a high-temperature superconducting generator for wind turbine application in the scope of the ...

The electrical power output of the generator was measured at the inverter and acquired via a data link from the measurement unit. The torque was measured on gearbox input

Include at least one generator calibration data point. Yokogawa's DXAdvanced Paperless Recorder solution using field mounted Juxta isolators is a replacement for all manufacturers" ...

There are many ways to measure the temperature inside wind turbines. ... may be required for measuring temperature in a generator. ... temperature difference between the ...

Wintact Digital Anemometer CFM/CMM, Weather Station Wind Speed Meter Gauge Measuring Air Velocity, Wind Volume, Wind Direction, Ambient Temperature, Humidity ...

A wind turbine generator reliability study is performed and explained in this paper. The study was performed due to the findings by Shipurkar et al. (2015), Alewine et al. ...

The PT1000 sensors used are of class A, preferred in this kind of measurement due to their high accuracy in registering small temperature changes--±0.3 °C of uncertainty--, ...

A 2 MW direct-drive (DD) high temperature superconducting (HTS) wind power generator with HTS wires in the rotor field windings and copper transposed conductor in the ...

Weather instruments play a vital role in our day-to-day lives. They provide us with accurate and up-to-date information on the outdoor temperature, air pressure, humidity, wind direction and speed, precipitation, ...

The FBG sensors are small and can be laid into the middle of the coils during the wind process and can provide real-time temperature information at several measurement ...

Where: R_a is the measured winding resistance value at temperature t_a . t_a is the temperature in $^{\circ}\text{C}$ of winding when the resistance R_a was measured. t_b is the reference ...

On the model, there are 182 pressure measuring holes in the direction of the downstream line, that is, the direction of the head of the model (Fig. 7.43). 12 pressure ...

The methods proposed in [5] and [7] use expensive high-speed IR cameras to get 2-D temperature field images of visible rotor surfaces at laboratory size machines.

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