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Title: Generator wind chamber pressure measurement point

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OverviewBackgroundExperimental apparatusInstrumentation and measurementExamplesExternal linksIn inviscid fluid dynamics, an incompressible fluid's velocity must increase as it passes through a constriction in accord with the principle of mass continuity, while its static pressure must decrease in accord with the principle of conservation of mechanical energy (Bernoulli's principle) or according to the Euler equations. Thus, any gain in kinetic energy a fluid may attain by its increased velocity through a constriction is balanced by a drop in pressure because of its loss in potential energy.

This equipment is functionally located between the generator terminals and the low-voltage terminals of the generator step-up (GSU) transformers, and between the neutral leads of the...

This report gives those unacquainted with modern wind tunnel, pressure measuring techniques and equipment a broad view of the topic and provides sufficient references so that additional information ...

As a reference for the user, the top of the wind tunnel is considered 0 percent, and the bottom of the wind tunnel is considered to be 100 percent. The user can move anywhere between these two points ...

Scanivalve has developed a low profile DSA3217 pressure scanner especially for wind turbine work. This special high "G" model has a robust Ethernet bayonet style connector.

Ideal for hydraulic and pneumatic applications, this industrial pressure sensor has a measuring range up to 14,500 psi (1,000 bar), so there is no need for a separate ...

Can be stated as an amount of voltage dip or rise that occurs for a given load. E.g.,15% dip for 60% load applied. Can be specified as an amount of load (skVA) applied or removed with a ...

Velocity measurements within the wind tunnel test section were made with two different systems: (1) a conventional pressure measurement system, and (2) a constant-temperature (hot-wire) anemometry ...

Instrumentation for wind turbines on land and offshore - for high system availability.

This paper introduces the configuration of the measurement system installed in KBP-750D, reports the detailed processes of the zero-point offset measurement and load calibration tests, and ...

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