Accionamiento de un ventilador industrial para prueba de aerogeneradores [

2014

text (article)

Analítica

In this work, a fan control industrial wind turbines used for test, which is used as an internal device in the development of a wind tunnel for testing wind measurement. The project consists of regulating the speed of an industrial fan used in a wind tunnel to test control systems in wind turbines, wind generating regulated signals in constant, or to follow a profile defined by a database of values actual measured with an anemometer. To implement the control system and communication devices, in this project employed a digital signal processor (DSP from Texas Instruments EZDSP2407), which acts as an interface to transmit data between the programming environments (VisSim Embedded Control Developer (ECD)). Also uses a variable speed 3HP SIEMENS Micromaster model 420
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