

ELECTRO-MECHANIC

Inlet Guide Vane Actuator Tester

Linear actuator simulator is designed for testing some kind of linear flange mounted guide vane actuators for gas turbine. This simulator is programmed to functional and endurance for these actuators. The three simulator parts are mechanical unit, monitoring unit and hydraulic load unit. Applying load to the actuator according to the spatial mechanism on the turbine is done by the mechanical unit. Hydraulic unit supplies hydraulic pressure for load applying system. Commanding actuator and data acquisition system is done by the monitoring unit.



Features

Electrical Supply	220VAC, 1PH, 16A
Max. Stroke	330 mm
Max. Angle Deviation (due to Stroke)	13 Degree
Max. Load Capacity	550 kg
Max. Adjustable Load Pressure	210 bar
Load Flow	0-30 lit/min
Cooling Capacity (Air Cooled)	1.5 kW
Hydraulic Filtration	10 µm
Control Device	DAQ Card/PLC
DAQ Card AI/AO	16/2
DAQ Card DI/DO	16/16
PLC AI/AO	4/2
PLC DI/DO	24/16
Command Functions	Step, Ramp and Sinus
Control Loop	Open/Close
Compatible with Motor Drive	T200-410