

**Product Name :**  
Simulation of a Gas Turbine

**Product Code :**  
Fluid Equipments0007

**NAUGRA<sup>TM</sup>**



**Description :**

Simulation of a Gas Turbine

**Technical Specification :**

**Simulation Of A Gas Turbine**

Specification of **Simulation Of A Gas Turbine**

---

## Simulated operation of a gas turbine system

1. Modification of 9 system parameters using potentiometers
2. Software  
calculates: air ratio, pressure ratio of compressor, efficiency, mass flow rates of gas and air, drive shaft power and generator power

### Technical Data

1. 9 potentiometers for the setting of
2. Intake pressure: 0...2bar abs.
3. Intake temperature: 0...100°C
4. Max. Pressure ratio at max. Speed: 0...10
5. Fuel mass flow rate, valve position: 0...100%
6. Fuel pressure: 0...10bar
7. Max. Combustion chamber temperature:
8. 500...1500°C
9. Efficiency compressor/turbine: 0...100%
10. Efficiency power turbine: 0...100%
11. Generator load: 0...100%

### Inputs and outputs

1. 16x analogue in, 1x analogue out

---

2. 4x digital in/out

## Civil Mechanical India

**Website:** [www.civilmechanicalindia.com](http://www.civilmechanicalindia.com), **Email:** [export@civilmechanicalindia.com](mailto:export@civilmechanicalindia.com)

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, +91-0171-2601773