Phone: +91-9896600003
Email : sales@naugralabequipments.com

Product Name :	**Product Code :**
Fuel Injection System	TK664

Description :

Fuel Injection System

Technical Specification :

This simulation panel allows to study engine operation, engine sensors and controls and electronic fuel injection.
The simulator takes into consideration all these aspects by performing the following functions:
Ignition phase
Heating phase
Lambda regulation
Quick acceleration/deceleration phases
Cut-off phase
Regulation of the injection time
Regulation of the advance angle
Regulation of the rpm
Regulation of the knock
Limitation of the rpm
In particular, also the following components are analyzed:
Rpm/reference point sensors
Level sensor
Inertial sensor
Electro-pump
Idle actuator
Electro-injectors and coils.

Main Characteristics
The simulator covers the following topics:
Oxygen sensor, temperature sensor, MAP sensor, MAF sensor, knock sensor, operation.
Pressure, flow, position sensors.
Injection time - calculation.
Ignition pulses effect on main switch, ignition timings.
Engine efficiencies, horsepower and engine torque, valve position switch output signals and valve position sensor output signals.
Signal analysis, injector activation signal at various conditions, air injection control, injection duration at various speeds, temperatures and engine loads.
Air temperature effect on the quantity of injected fuel.
Fuel cut-off, relationship between the duration of injector opening to the quantity of injected fuel.
Solenoids open and close loop controls and exhaust gas circuit.
This vertical frame bench-top trainer is specially designed to show to students how automotive systems work.
The simulator consists of a panel operated by the support of a computer with a colored silk-screen diagram that clearly shows the structure of the system and allows the location of the components on it. The trainer is supplied with a CAI Software and the supported documentation guides the students to the study and the performance of the simulation exercises.

General Characteristics:
Dim. mm (Height x Length x Width): 700x1000x150 - (470 with the base)
Weight kg 25
Input power supply: AC 220VÂ±10% 50 Hz
Working temperature: -40â„ƒ ~ +50â„ƒ.

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg,Ambala Cantt,Haryana,India. **Phone:** +91-9896600003