

**Product Name :**  
Injection Control System

**Product Code :**  
TK121



**Description :**

Injection Control System

**Technical Specification :**

**Injection Control System**

This simulation panel has been specially designed and realized to study the control (diesel engine management) and the diesel engines direct injection (common rail direct injections) In details it reproduces a turbo-diesel injection system with electronically controlled in line injection pump for heavy vehicles (such as lorries, buses, agricultural machines) and a turbo-diesel injection system with electronically controlled common rail for automotive.

**Main Characteristics:**

The simulator is divided into two sections. The first part covers the Diesel Engine Management topics:

The characteristics of a Diesel engine

The Auxiliary systems for the starting

The measurement of the fuel

The electronic regulation of the in line injection pump

Composition and analysis of the exhaust gas

The second part covers Common Rail Direct Injection for Diesel Engine topics:

The Direct Injection in a Diesel Engine

Diesel Common Rail and Emissions

Diesel Common Rail Automobiles

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 220V $\pm$ 10% 50 Hz

Working temperature: -40 $^{\circ}$ C ~ +50 $^{\circ}$ C.

## Naugralabequipments

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