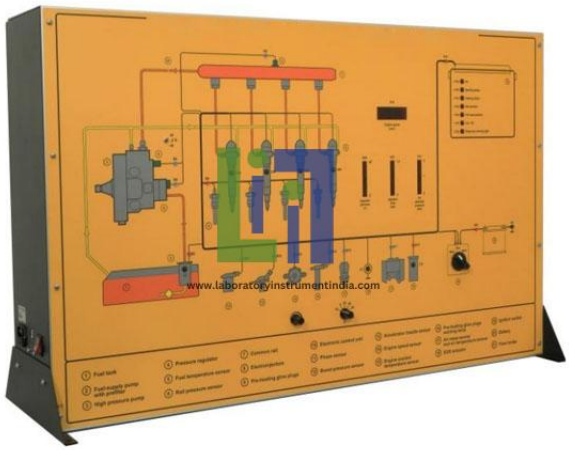
Email : sales@laboratoryinstrumentindia.com

Product Name :	**Product Code :**
Common Rail Direct Injection For Diesel Engine	LBNY-0005-10800017



Description :

In the conventional diesel engine the rotation speed of the engine controls the pressure to the injectors and, furthermore, pressure and injection are strictly correlated, because only when the pressure exceeds a given threshold there is the mechanical opening of the injector. Common Rail Direct Injection For Diesel Engine simulator allows the study, the testing and the troubleshooting on HDI (CDI CR) injection systems for diesel engines that, similarly to what happens for the traditional injection petrol engines where, however, the pressure of the fuel is only few bars, use a high pressure electric pump and a single manifold to connect the pump to the electro-injectors, which are electronically and individually controlled for what concerns the start and the duration of the injection.

The advantages of the Common Rail Direct Injection For Diesel Engine:
High pressure also at low regimes
Reduction of the noise
Reduction of the consumptions and of the emissions.
Excellent atomization and dispersion of the fuel
Increase of the torque

The main components that characterize a Common Rail Direct Injection For Diesel Engine are the following:
Common rail with electro-injectors, fuel pressure limiting valve and relevant pressure sensor
Electronic control board for the management of the whole plant
Fuel tank with pre-filter
High pressure electro-pump
Flow limiter
Engine rpm sensor

Accelerator pedal position sensor Over supply pressure sensor Computerized workstation linked to the management system. Pneumatic actuator for the variable geometry turbine Air temperature sensor Air mass sensor Engine temperature sensor.
Technical Specification :
Common Rail Direct Injection For Diesel Engine