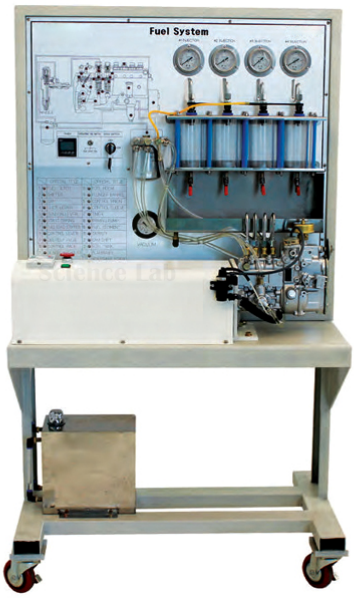
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Product Name :

Diesel Fuel Injection System Inline Pump

Product Code :

SLE/ATE/04



Science Lab
Email : sales@scilabexport.com
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Description :

Diesel Fuel Injection System Inline Pump (Product Code: SLE/ATE/04) is an inverter-controlled training bench used to run an inline diesel injection pump and measure injection according to RPM in automobile and diesel mechanic workshops. Four fuel pressure gauges and a timer let learners compare pressure, delivery and injection patterns at different speeds — practical technical educational equipment for polytechnic and vocational courses. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Pump type	Inline injection pump
Drive motor	Single-phase ½ HP
Speed control	Inverter
Instrumentation	4 fuel pressure gauges, timer
Operation	Pump operated by the motor; fuel injection measured in accordance with RPM
Weight	Approx. 100 kg
Size	Approx. 600 × 400 × 1,200 mm
Product code	SLE/ATE/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

Training contents:

- Checking injection pump status
- Operating the single-phase ½ HP motor
- Measuring injection according to RPM
- Checking injector status
- Measuring fuel flux and injection patterns
- General fuel injection training

What Is the Inline Pump Diesel Injection Trainer Used For?

In an inline pump, a separate pumping element for each cylinder sits in a row inside one housing and is driven by the pump's own camshaft. On this bench the instructor sets a speed with the inverter, runs the pump for a timed interval and has students read the four pressure gauges while they collect and compare the delivered fuel. Repeating the run at several speeds shows clearly how delivery and pressure change with RPM, and watching the injection pattern helps learners recognise a healthy spray from a faulty one.

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