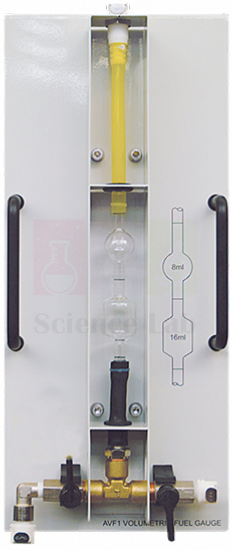
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Product Name :

Manual Volumetric Fuel Gauge

Product Code :

SLE/EE/01



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Description :

Manual Volumetric Fuel Gauge (Product Code: SLE/EE/01) is a pipette-type fuel meter used to measure how much fuel an engine consumes during bench tests in engineering and automotive laboratories. Students time the engine as it draws a set volume from a precision-calibrated two-bulb pipette, then calculate the fuel flow rate for petrol or diesel engines. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and engineering lab equipment manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Measuring element	Precision-calibrated two-bulb pipette
Flow control	Control valves, including a valve that cuts off the tank supply so the engine draws fuel from the pipette only
Filling	Fuel enters the pipette from the fuel tank
Installation	Mounts on the instrumentation frame of the engine test set and connects between the fuel tank and the engine under test
Couplings	Self-sealing couplings for quick connection and disconnection with minimum loss or spillage of fuel
Suitable fuels	Petrol or diesel
Measurement method	Time taken to consume a set volume of fuel, from which the fuel flow rate is calculated
Product code	SLE/EE/01
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Manual Volumetric Fuel Gauge Used For?

The gauge is the fuel-consumption instrument of an engine test bench. With the engine held at a steady speed and load, the student closes the tank valve so the engine runs from the pipette alone, then times how long it takes to use the marked volume. Dividing that volume by the elapsed time gives the volumetric fuel flow rate, the starting point for specific fuel consumption, brake thermal efficiency and energy-balance calculations.

Because every reading is taken by eye and stopwatch, the principle stays visible to learners instead of being hidden inside a sensor, which makes it a sound choice among lab equipments for technical institutes running IC engine practicals. Take several timings at each load point and average them, and reopen the tank valve between readings so the pipette refills before the next measurement.

What to Specify When Ordering