Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Controller

Product Code :

SLE/ETC/08



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Controller (Product Code: SLE/ETC/08) is a compact analogue control unit used to assemble industrial-style control loops from patchable circuit blocks in control engineering laboratories. Its front panel carries summing junctions, phase lead, proportional and integral blocks, a complete three-term PID block, a function generator, a digital voltmeter and adjustable potentiometers, plus D/A and A/D interface connections. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Construction	Compact unit with analogue electronic circuits connected in blocks
Purpose of the blocks	Mimic the important parts of industrial controllers
Front panel	Clear diagrams showing each block, each with its own set of connection sockets
Blocks	Summing junctions; phase lead; proportional and integral blocks; function generator and digital voltmeter; complete three-term PID (proportional, integral, derivative) block; fully adjustable potentiometers usable as setpoints or attenuators
Computer interface	D/A (digital to analogue) and A/D (analogue to digital) connections
Use	Blocks are connected in any way the user needs, then linked to the chosen products in the range
Product code	SLE/ETC/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Controller Unit Used For?

Instead of a sealed box, students see each function of an industrial controller as a separate block and connect the blocks through their sockets to build the structure they want — from simple proportional control to full PID with a phase-lead stage. The function generator provides test signals, and the digital voltmeter lets them read signal and setpoint values directly.

Once built, the loop is connected to a plant from the range and tuned on real hardware. The D/A and A/D connections also let a computer take part, so the same unit supports comparisons between analogue and digital control. It is a natural companion when institutions assemble engineering lab equipment for control practicals.

OEM Manufacturer

The Controller is manufactured by Jain Scientific Equipments Private Limited, which does busin
own l
institu