



THE LAB EQUIPMENT

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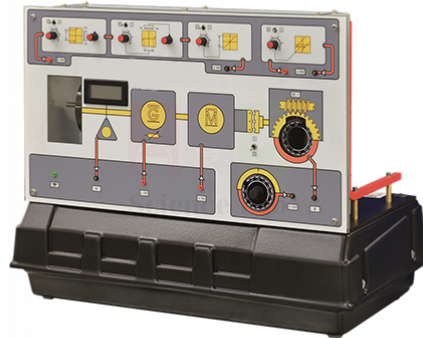
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Product Name :

Servo Trainer

Product Code :

SLE/ETC/07



Description :

- Servo Trainer shows d.c. servo position and speed control systems using typical industrial techniques.
- A manual control allows the user to set a position control setpoint.
- The d.c. generator statically or dynamically loads the servomotor.
- It has a d.c. servomotor, a d.c. generator and a flywheel mounted on a common shaft.
- Analogue 0 to ± 10 V control signals vary the servomotor shaft speed in either direction.
- An optical sensor measures the speed and shows it on a panel-mounted digital meter.
- An electric clutch connects or disconnects the shaft to a 30:1 reduction gearbox for position control studies.
- To adjust the shaft inertia, comes with two extra interchangeable inertia discs (flywheels).

For advanced experiments, the Servo Trainer includes extra 'block'-type circuits that can add non-linear and fully adjustable effects of:

- Deadzone or 'deadband'
- Anti-deadzone
- Hysteresis
- Saturation

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