



Email : sales@scilabexport.com

Phone: +91-7082934803

Product Name :

Geared Systems

Product Code :

SLE/ETM/12



Description :

- A bench-mounting base unit forms the main part of this set of products.
- The dynamic tests run the input of the different drive units at a given speed using a motor, while measuring the input power.
- Dynamometer loads the output of the drive unit while measuring the output power.
- A variable-speed, low-voltage motor provides the shaft input turning force (effort) to the drive.
- A dynamometer provides the output braking force (load) to the drive.
- The dynamometer uses electromagnetic braking and a hysteresis effect to provide a variable load at a constant torque irrespective of the speed.
- Sensors on the motor and dynamometer measure their shaft speed, torque and therefore power in and out at the drive.
- Flexible couplings with collets connect the drive unit to the motor and dynamometer for quick and accurate alignment.
- Students use the measurements to find the performance and efficiency of the drive unit.
- Axial trunnions with race bearings hold the motor and the dynamometer for free rotation against their load cell sensors to measure torque accurately.
- Supplied with a three-shaft gear drive unit as standard, the base unit dynamically tests the gear drive and the other optional drive units.

Contact Science Lab for your Educational School Science Lab Equipments. We are best high school maths lab kit manufacturers, high school physics lab equipment, high school science kits exporters, high school science lab equipment, high school science lab equipment manufacturers, high, school science lab equipments suppliers.

Website: <https://scilabexport.com>, **Email:** sales@scilabexport.com

1226/1-5, Bengali Mohalla, Science Market | 133001, Haryana