

**Product Name :**

Axial Flow Turbine test bed

**Product Code :**

SLE/MCE/52



## Description :

### Features:

- Single point pivot on engine mounting enables accurate thrust measurement.
- No need for external lubrication system.
- No need for external battery and charger.
- Fully tested for high performance and safety.
- Tough, transparent polycarbonate safety screen.
- An optional floor-standing frame is available to house the unit together with its fuel tank and electronic console.
- The engine has been integrated into a sturdy metal frame that holds it firmly, while enabling accurate measurement of the thrust produced by the engine.
- An electronic preprogrammed controller constantly supervises the engine, ensuring safe operating conditions at all times.
- The engine inlet has been replaced with a custom fabricated frontal duct, to enable the air mass flow rate to be accurately measured.

### Specification:

- **Thrust:** 200N typical
- **Mass flow:** 450 g/s
- **Ignition system:** Glow plug
- **Engine rpm:** 105,000rpm typical
- **Engine mount:** Single pivot point
- **Dimension:** 880 x 510 x 1185 mm
- **Weight:** 150 kg (approx)
- **Exhaust gas temperature:** 800°C typical
- **Compressor type:** Single-stage radial
- **Turbine type:** Single-stage, low-mass axial flow

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