

Product Name :
Axial Flow Turbine Engine

Product Code :
NLAB-TECHNICALAB28002

Description :

Axial Flow Turbine Engine

Technical Specification :

An aeronautical axial flow gas turbine engine mounted on a stainless steel plinth, suitable for bench mounting. An electronic console and 5L 'explosafe' fuel tank are also provided. An optional mounting frame is available for floor standing operation. The engine has a maximum speed in excess of 100,000 rpm and generates a thrust of at least 195N. Full instrumentation to measure rpm, thrust and temperature and pressure at each stage of the jet engine. Stainless Steel air inlet duct to measure air flow. The engine is easy to start, without the need for compressed air. The equipment is fully controlled from a user supplied PC. The software includes powerful educational features together with sophisticated graph plotting and data logging capability. Interface to the PC is via a single USB interface, thus providing easy installation.

Features:

- Complete aeronautical axial flow gas turbine engine
- Full instrumentation and sensors
- Full control by means of software and microprocessor controller
- Easy installation into a test cell (single USB interface)
- High performance centrifugal compressor
- High maximum RPM
- Fast response to speed changes
- Single point pivot on engine mounting allows accurate thrust measurement
- No need for external lubrication system (the lubricant is mixed with the fuel)

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