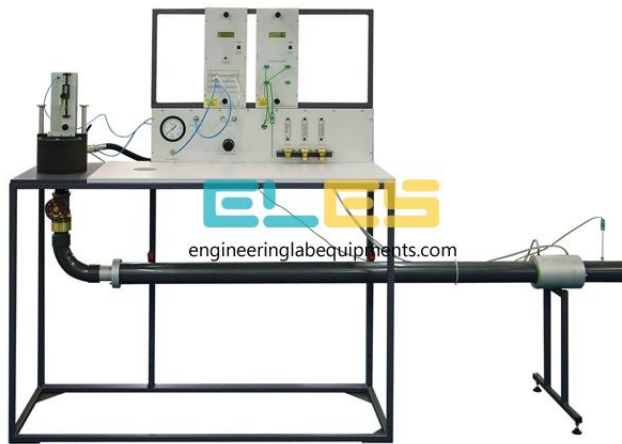


Product Name :
Subsonic Air Nozzle Test Setup

Product Code :
ENGLABINGCAG340024



Description :

Subsonic Air Nozzle Test Setup

Technical Specification :

FEATURES:

The relationship between pressure ratio and flow for convergent and convergent/divergent Laval nozzles.
The pressure profile in convergent/divergent nozzles at various pressure ratios.
The phenomenon of choked flow corresponding to sonic velocity at a nozzle throat
Investigation of expansion with friction in a parallel passage at high subsonic velocities.
Boundary layer growth under subsonic and supersonic conditions.

SPECIFICATION:

An instrument frame with digital pressure and temperature displays.
For ease of visibility and for good engineering practice, the analogue gauge also shows pressure in the chest.
A pressure chest with a removable lid and nozzle traverse mechanism;
A pressure regulator to maintain the inlet/upstream pressure, with an analogue reference pressure gauge;
Three interchangeable, profiled and polished brass nozzles with mimics that fit on the traverse mechanism;
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase
120V, 60Hz, 1 phase



Engineering Lab Equipment India