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Product Name: Subsonic Air Nozzle Test Setup Product Code: ENGLABINGCAG3400024



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