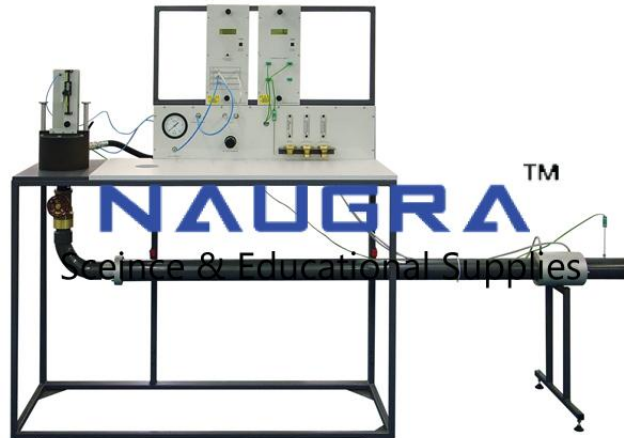


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**Product Name :**  
Subsonic Air Nozzle Test Setup

**Product Code :**  
SCHOOL-THM830024



**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

**NAUGRA<sup>®</sup>**

**School Educational Instruments**

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