

Product Name :
Reaction Turbine Demonstration Unit**Product Code :**
ALABS-A43-030**Description :****Reaction Turbine Demonstration Unit**

- Small scale hydropower unit designed to demonstrate the operating principles of a reaction turbine.
- Horizontal shaft and transparent guarding allow excellent visibility.
- Mounts on a dedicated service unit.
- Connects to a PC via the service unit and a USB interface console.

Description:

The Reaction Turbine Unit consists of an inlet manifold which supplies water to a central hub. Water exits the hub radially through two square orifices. The hub is connected to the manifold using a graphite face seal. The turbine is mounted on a horizontal shaft with a clear acrylic splash guard to allow maximum visibility of the workings. The unit incorporates a pressure sensor to measure the inlet condition of the water. This pressure can be accurately controlled using the software supplied with the service unit.

Specification

- Maximum Power: 25W
- Maximum Speed: 8000rpm
- Maximum Torque: 0.12Nm



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