

## *HT 161 MINI KAPLAN TURBINE DEMONSTRATION UNIT, Computer Interface*

### GENERAL DESCRIPTION

This is a mini Kaplan turbine for studying the turbine characteristics with data analysis by computer.

The unit consists of a mini Kaplan turbine with a dynamometer, output power sensors and software. The turbine adjustable guide vanes direct water helically to the runner.

The unit is to be used with HT110 Mini Turbine Service Unit or HB100N Hydraulic Bench (Neo) with optional accessories. Both are separately supplied.

Instruction manual is also included.

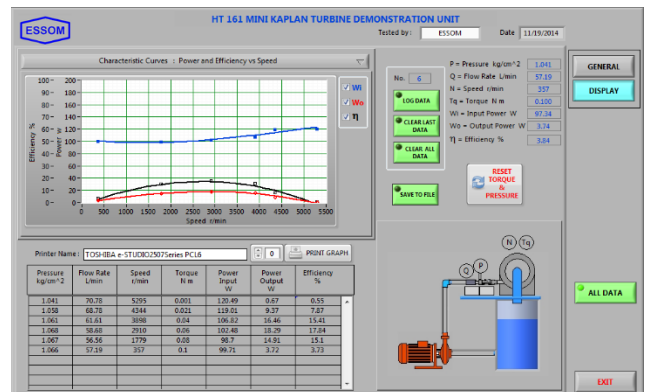


HT 161 with HT 110



### EXPERIMENT CAPABILITIES

- Torque vs speed at various heads and flow rates.
- Power output vs speed for various heads and flow rates.
- Efficiency vs speed for a given head and flow rate.
- Racing characteristics.



### TECHNICAL DATA

- Construction : Metal runner with adjustable guide vanes
- : Non corrosion metal casing with transparent window and runner section
- Ratings : Maximum power over 15 W
- Dynamometer : Mechanical brake
- Sensors with digital display : Torque and speed
- Software for data display and analysis by computer (separately supplied).

### OPTIONAL EQUIPMENT

- HT 110 Mini turbine service unit (required accessory)
- HB 100N Hydraulics Bench (Neo) (required accessory)
- HT 161-060 Computer Control

This includes flow and load control motors, HT 110 Mini turbine service unit or HB 100N Hydraulics Bench (Neo) with pressure digital display and additional software function for control by computer (separately supplied).

- Other optional equipment, please contact manufacturer (essom@essom.com)

Net (unpacked) shipping dimensions WxLxH : 40 x 45 x 27 cm  
 Net weight : Approx. 11 kg

