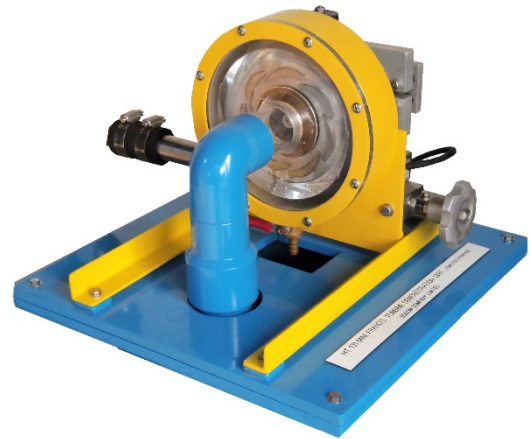


HT 131 MINI FRANCIS TURBINE DEMONSTRATION UNIT, Computer Interface



HT 131 with HT 110



GENERAL DESCRIPTION

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

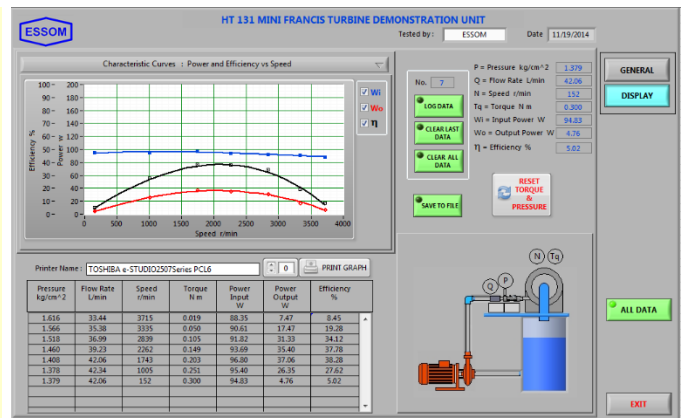
The unit consists of the mini Francis turbine with a dynamometer, output power sensors, and software. The turbine adjustable guide vanes direct water spirally to the runner.

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

Instruction manual is also included.

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 : Mechanical seal
- : Non-corrosion metal casing with transparent window
- Ratings : Maximum power over 25 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 131-060 Computer Control

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

Net (unpacked) shipping dimensions WxLxH
Net weight

: 40 x 45 x 27 cm
: Approx. 11 kg

