

**Product Name :**  
Computerized Reciprocating Pump Test Apparatus**Product Code :**  
EEMECH45M0063ALTEC™**Description :**Computerized  
Reciprocating Pump Test Apparatus**Technical Specification :**

- The test rig consists of a closed water circuit with water tank, a piston pumps with variable speed via a frequency converter and an air vessel.
- The position of the piston rod is measured by an angle sensor.
- This allows the determination of the cylinder volume.
- The pulsating pressure curve of the pump can be damped with the aid of the air vessel.
- Flow rate and head are adjusted via a needle valve and overflow valve.
- The experimental unit is fitted with sensors for pressure and flow rate.
- The microprocessor-based measuring technique is well protected in the housing.
- The piston of the pump is mounted in a transparent housing and can be observed during operation.
- The cycle that takes place (intake and discharge of water) can be shown clearly in the p-V diagram.
- One pressure sensor measures the pressure at the outlet of the pump; another one measures the pressure

in the inside of the cylinder.

- The measured values are transmitted directly to a PC via USB where they can be analyzed using the software included.
- Piston pump Speed: 30...180min-1
- Max. Flow rate: 135L/h
- Max. Head: 40m
- Drive motor Power: 180W
- Gear transmission ratio: 1=7,5
- Dimensions: 670x590x740mm
- Weight: 49kg (approx.)
- Pressure (cylinder): 0...5bar
- Pressure (outlet): 0...5bar
- Crank angle: 0...360°
- Flow rate: 0,2...6L/min
- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase



## Equipments Exporters

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