



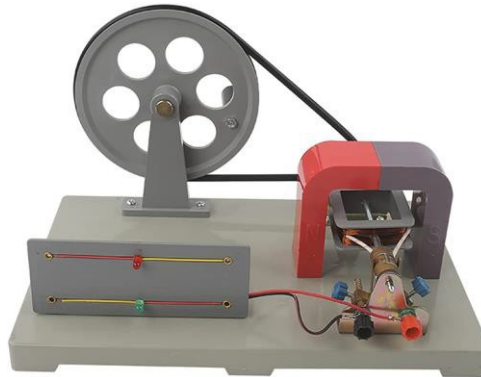
VERITAS Engineering

Catalog
Of

AC DC Generator Model

Brand: VERITAS

Model: VGMT-002



Features

- Material: Metal & Plastic
- When the rotor speed is 1600 rpm
Output voltage of the machine: no- load voltage is $> 8V$;
- 4.8 V, 0.3 a small bulb is connected in series, and the load voltage is $> 5 V$.
- The product is composed of base, lamp holder, hand wheel, magnetic block, armature, pole shoe, brush, collector ring, bearing frame, conversion connecting piece, terminal post, etc.
- Product feature and application
- This machine is used to demonstrate the basic structure and work of AC/DC generator for Physics Teaching in middle school and natural knowledge teaching.
- Maintenance and precautions
- Most of the faults of this instrument are loose and broken wires (due to moisture and corrosion). Therefore, such as:
 - If the shaking fails to generate power, use a multi-meter to check whether the wire is disconnected.
 - The clearance between the armature and the pole shoe is very small. If the bearing is loose, the armature is easily stuck. At this time Check the cause and adjust the position of the pole shoe and the bearing so that the armature can rotate flexibly in the pole shoe. peacetime
 - Pay attention to proper lubrication of bearings.
 - The belt shall be protected from oil contamination and high temperature. After use, the belt shall be removed from the pulley to prevent the belt from being too loose and slipping.
 - The brush terminal should be insulated from the support. If the screw is loose and short circuited, it should be adjusted.