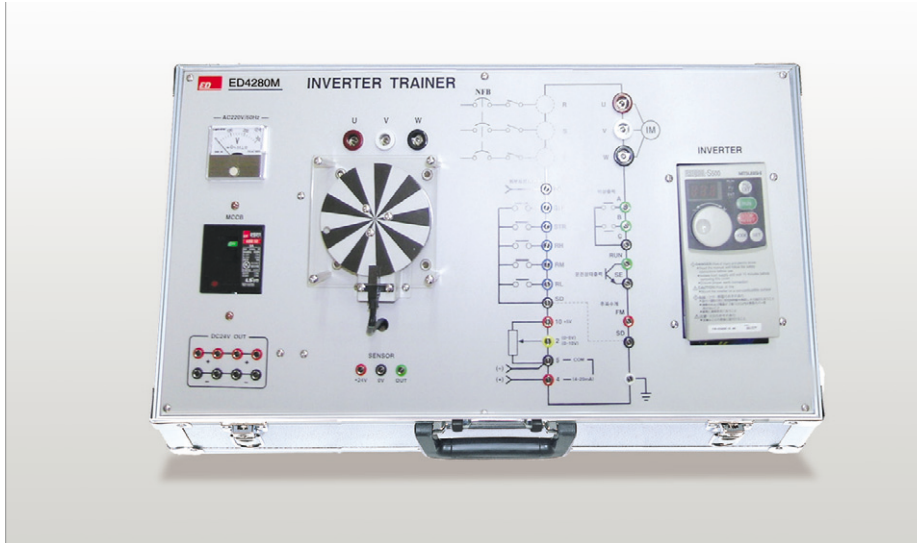


- Mechatronics

## INVERTER TRAINER

New  
ED-4280M

- Aluminum hard case structure for mobility
- Applied experiments on the motor's rotation characteristics
- AC motor control technology using the inverter
- Interlocking experiments with Programmable Logic Controller



### > EXPERIMENTS

- Definition of Inverter
- Inverter menu setup
- Preparation of the Inverter before operation
- Connection to the AC Motor
- Torque operation
- Acceleration and deceleration
- Forward/Reverse operation
- Frequency operation

### > SPECIFICATIONS

#### INVERTER

- Control Method : Soft-PWM
- Output Frequency : 0.2~400Hz
- Voltage/Frequency : Baseband 0~400Hz
- Starting Torque : 150%(at 1Hz), 200%(at 3Hz)
- Torque Boost : 0~30% configurable
- Capacity(kW) : 0.4(25W)
- Input Voltage : 1-phase AC 200V~240V 50/60Hz

#### AC MOTOR

- Pole : 3-phase
- Capacity : 25W
- Voltage : 220V
- Hertz : 50/60Hz
- Speed : 1200RPM

#### MAIN PANEL

- Power : AC220V
- Power Supply
  - » Free Voltage 50/60Hz
  - » Short Circuit Protection(Built-in)
  - » Built-in NBF
- Circuit Diagram : Displays on the surface of panel
- Circuit Protection : Power Circuit Breaker /Switch
- Photo Sensor
  - » Detects speed deceleration
  - » DC24V
- Rotary Encoder : 80mm
- Protective Cover : Transparent acryl
- Terminal : DC 4mm terminal, AC protective terminal
- Case : Aluminum hard case, upholstery EGI 1.2t

#### ACCESSORIES

- AC Power Cord : 1ea
- Connection Cable : 1set
- User Manual : 1ea