

# INVERTER MOTOR TRAINER

# ED-4304

- Practical training on inverter and 3-phase induction motor operations
- Control experiments using a PLC module (in use of D/A module)
- Feasible contact-type PLC control
- Carrying case type structure for convenient storage and mobility



## > EXPERIMENTS

- Basic operation practice using Loader and Terminal
- Sequence experiments using Timer and self-sustain circuits
- Control experiments using Programmable Logic Controller

## > SPECIFICATIONS

- 0.5HP class single-phase inverter &  $\frac{1}{4}$  HP class AC geared motor
- Digital MMI, Trip-less operation, shortest/optimum acceleration and deceleration functions
- Built-in functions such as PID control and reliable operation
- Built-in RS485 as standard

### IG5 INVERTER(LS INDUSTRIAL)

- **Maximum Applicable Motor** : 0.5HP, 0.4kW
- **Output Rating**
  - » Rating Capacity : 0.95kVA
  - » Rated Current : 2.5A
  - » Output Frequency : 0.1~400Hz
  - » Output Voltage : 3-phase 220~230V
- **Input Rating**
  - » Voltage : 1-phase 200~230V(+10%, -15%)
  - » Frequency : 50Hz~60Hz( $\pm 5\%$ )
- **Inverter Weight** : 0.77kg
- **Control Method** : VF Type
- **Frequency Setting Resolution**
  - » Digital : 0.01Hz(below 100Hz), 0.1Hz(over 100Hz)
  - » Analog : 0.03Hz/60Hz
- **Frequency Measure**
  - » Digital : 0.01% of Max. Output Frequency
  - » Analog : 0.1% of Max. Output Frequency

- **VF Ratio**
  - » Linear, 2<sup>nd</sup> degree speed reduction, User V/F
- **Operation Method**
  - » Selectable : Keypad, Terminal, Communication
- **Frequency Setting**
  - » Analog : 0~10V/4~20mA
  - » Digital : Maneuver by Keypad

### AC GEARED MOTOR

- **Rated Output** :  $\frac{1}{4}$  HP, 0.2kW
- **Input Voltage** : 3-phase 220/380V
- **Rated Current** : 1.1/0.64A
- **Frequency** : 60Hz
- **Weight** : 6kg
- **Speed** : 1720RPM
- **Speed Decelerator** : 10:1

### ACCESSORIES

- PLC I/O Cable : 2ea
- TIP Jack Connection Cable : 1set(Black : 20ea, Red : 20ea)
- Induction Motor(3-phase, 1/2 Horse Power) : 1ea
- Program CD : 1ea
- AC Power Cord : 1ea
- Operating Manual : 1ea