

INVERTER EXPERIMENT TRAINER

EXPERIMENT DB-1020

- Inverter Operation by Keypad
- Inverter Operation by External Switch
- Inverter Operation by Keypad and External Switch
- Setting of Accelerating and Decelerating Time
- Sequential Frequency Setting
- Forward Operation using PLC
- Reverse Operation using PLC
- Forward / Reverse Operation using PLC
- Jog Operation using PLC
- Sequential Frequency Operation
- Jog and Sequential Frequency Operation

DB-1020



Specification

DB-1018

- **Output Characteristic**
 - Max output Voltage: 230V
 - Rating Output frequency: max 400Hz
 - Rating output ampere: 4.8A
 - Max Continuous out Ampere: 5.4A
 - Output capacity: 2.1kw
- **Power**
 - Voltage & Frequency: 200/208/220/230V 60Hz
 - Allowable voltage Fluctuating: 10%
 - Allowable Frequency Fluctuating: 10%
- **Control Characteristic**
 - Frequency control range: 0.1-400Hz
 - Frequency set resolving power-Digital: 0.01-0.1Hz
 - Analogic: 0.06/60Hz
 - Output frequency resolving power: 0.01Hz
 - Frequency Setting Signal: DC0-10V, DC4-20mA
 - Accelerating & Decelerating time: 0.1-6000 sec
 - Control Characteristic: Sine wave PWM Type
- **Protective Function**
 - Motor Protective: Protective terms of Electronic thermal
 - Instantaneous over current: About 200%
 - Over Voltage: Main Circuit DC Voltage about 400V
 - Under Voltage: Main Circuit DC Voltage about 400V
 - Instantaneous Electrostatic: 15m sec over Brake
 - Over load: Rating out Ampere About 150%
- **Cubicle Bonding Machine**
 - Digital Volt meter: 1EA
 - Digital Ampere meter: 1EA
 - Digital RPM Meter: 1EA
 - Digital Watt Meter: 1EA
 - MCCB (30AF, 10AT): 1EA
 - Induction Motor (750W): 1EA
 - Dimension: 800(W) 430(D) 560(H) mm

DB-1020

- **Main Controller**
 - 3 Phase 220V / 50/60Hz (380V / 415V - Selective)
 - Switch(MCCB)
 - Voltmeter
 - Amperemeter
 - Digital Speed meter
 - Lamp Block
 - Switch Block
 - Watt meter
 - Frequency VR
- **P. L. C Controller**
 - Digital Input : 16 Points
 - Input Switch
 - Digital Output : 16 Points
 - Lamp & Buzzer
- **3 Phase Induction Motor**
 - Output : 1[HP]
 - Pole Number : 4 Pole
 - Continuous rating : 1500 / 1800rpm
- **Inverter**
 - Motor Rating : 1[HP]
 - Output Rating
 - Capacity : 1.9[KVA]
 - Frequency : 0 ~ 400[Hz]
 - Voltage : 3 Phase 200 ~ 230V / 3 Phase 380V ~ 480V (Selective)
 - Input Rating
 - Voltage : 3 Phase 200 ~ 230VAC / 3 Phase 380 ~ 480VAC (Selective)
 - Frequency : 50 ~ 60[Hz]

Accessory:

- Experiment Manual : 1Copy
- Communication Cable (USB) : 1EA
- Dust Cover : 1EA
- Power Cable : 1EA
- Test Lead (Banana Plug) : 1Unit