

아날로그 & 디지털 회로 Lab Unit | MSN-Lab7

| 제품 특징 |

- 각종 아날로그 및 디지털 전자회로 실습 가능
- 탈/부착이 가능한 브레드 보드
- 다양한 전기/전자통신 분야의 기초 실습이 가능한 장비
- Oscilloscope, Multi Meter, LCR Meter, Function Generator가 All-In-One 내장되어 있는 종합 계측기를 기본으로 구성
- DC 가변 2Channel, DC 고정 2Channel, AC 가변 전원 공급
- Function Generator 파형 : 정현파, 삼각파, 사각파
- 320x240 Pixel TFT LCD를 이용한 디지털 오실로스코프, 디지털 멀티미터, LCR메타, 함수발생기의 상태를 디스플레이
- 2 Digit 7-Segment는 내장된 Decoder에 의해 0~9 및 A~F까지 표시 가능
- LED에 의해 Logic Level이 표시 가능

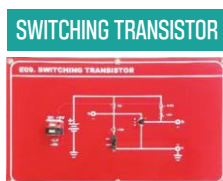
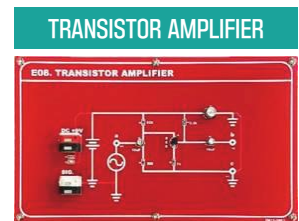
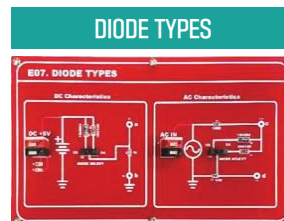
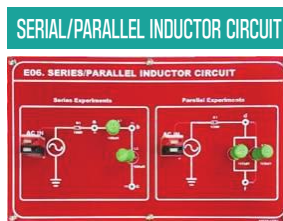
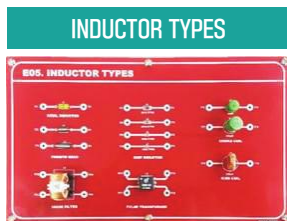
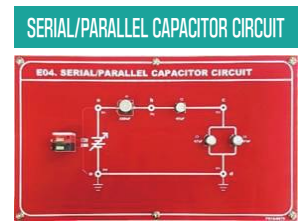
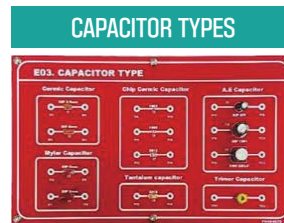
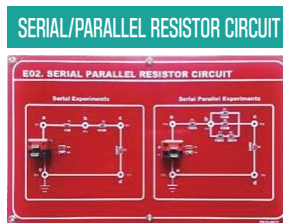
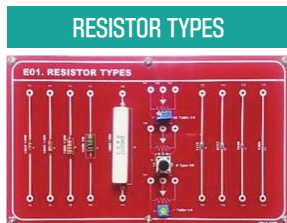


▶ MSN-Lab7 기본 모델

▶ MSN-Lab7 모듈장착 모델

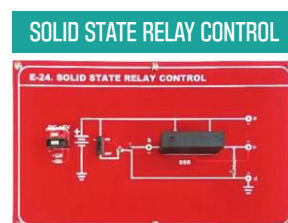
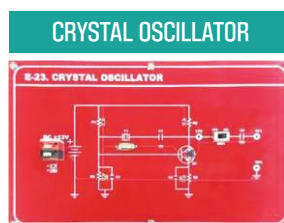
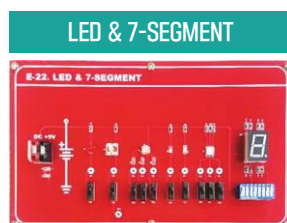
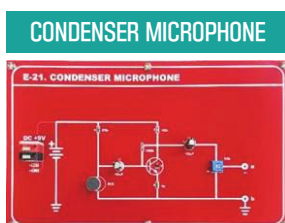
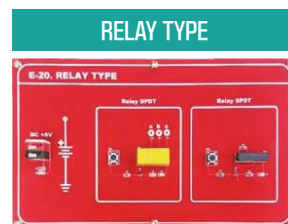
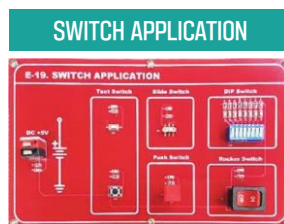
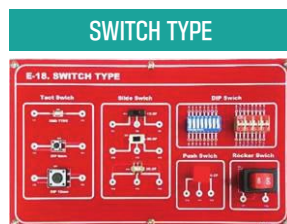
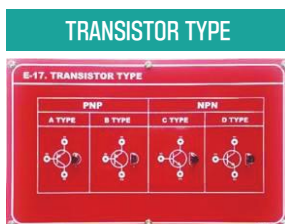
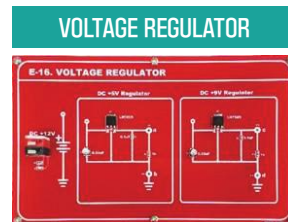
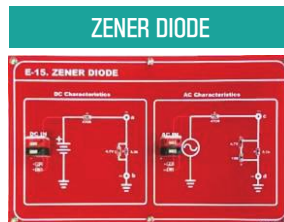
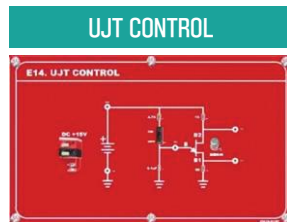
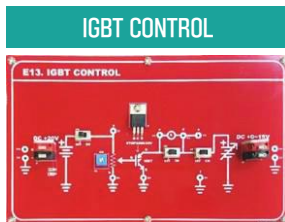
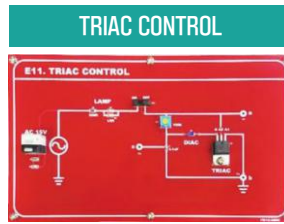
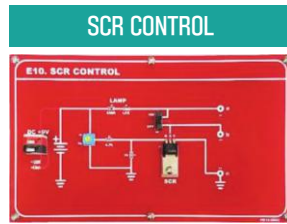
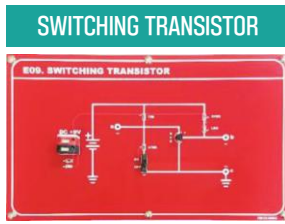
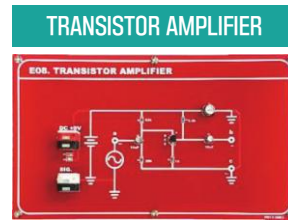
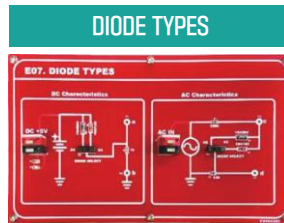
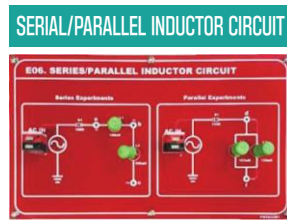
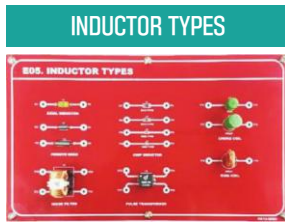
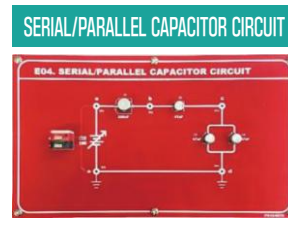
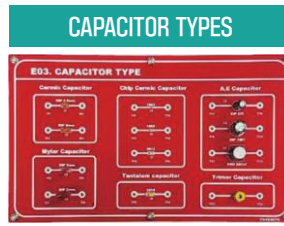
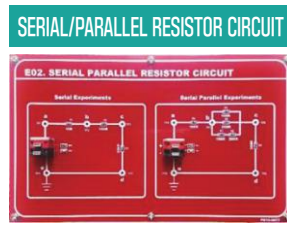
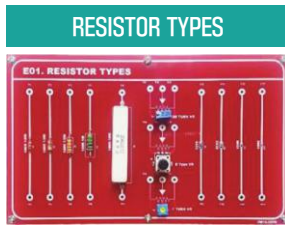
모듈 리스트(MSN-LabM13)

■ 전기전자회로 13종 구성

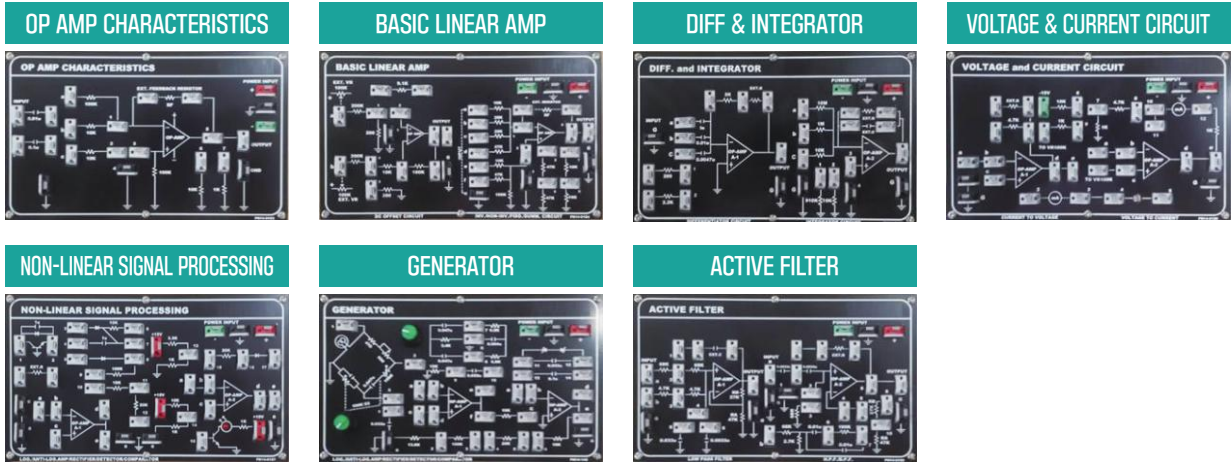


전기전자

■ 전기전자회로 24종 구성



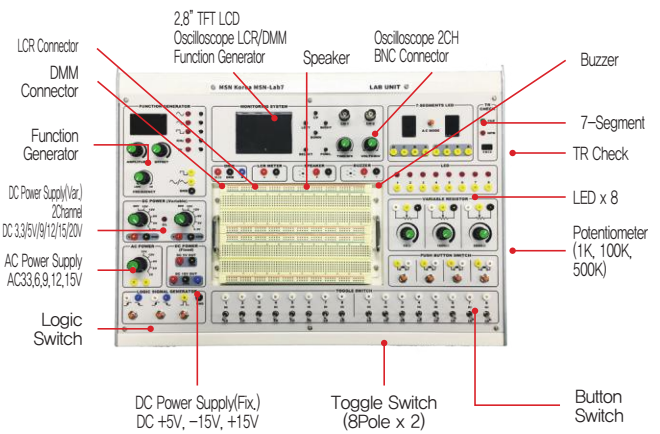
■ OP-AMP 7종 구성



장비 구성

Power Supply	<ul style="list-style-type: none"> • DC 가변전원(출력 : 3.3V~20V) • DC 고정전원(출력 : 5V, ± 15V) • AC 가변전원(출력 : 3~15V)
Function Generator	<ul style="list-style-type: none"> • 정현파, 삼각파, 사각파 • 0~50KHz (20Vp-p)
Display	<ul style="list-style-type: none"> • LED(8ea) • 7-SEGMENT LED(2ea) • TFT LCD(OSCILLOSCOPE, LCR, DMM, FG 모니터링)
Logic Input	<ul style="list-style-type: none"> • LOGIC SIGNAL & SINGLE PULSE • TOGGLE SWITCH(8ea x 2) • PUSH BUTTON SWITCH(4ea)
Circuit Element	<ul style="list-style-type: none"> • VARIABLE RESISTOR(1kΩ, 100kΩ, 500kΩ) • BUZZER & SPEAKER • TR CHECK
Instrumentation	<ul style="list-style-type: none"> • LC METER • DMM METER • OSCILLOSCOPE 2CH
Communication	<ul style="list-style-type: none"> • USB
Type	<ul style="list-style-type: none"> • Portable or Bag Type
Accessory	<ul style="list-style-type: none"> • POWER CABLE • USB Cable(A-B Type) • Oscilloscope BNC Cable(2ea) • Jump Wire • Operating Manual

장비 구조



장비 구조



- 1 ~ 3. 'File', 'View', 'Capture' 메뉴 버튼
- 4 ~ 5. 채널 1, 채널 2 보이기/감추기 버튼
6. 각 채널의 Y축 위치 설정 버튼
7. 각 채널의 Voltage Division 설정 버튼
8. X축 위치(Trigger 위치) 설정 버튼
9. Time Division 설정 버튼
- 10 ~ 14. Trigger 채널 및 기능 설정 버튼 (CH1 or CH2)
15. RUN/STOP 버튼
16. Default 설정 버튼 (Voltage Division: 5V, Time Division: 1ms, Trigger: CH1, Rising Edge, 1V로 설정)
17. Horizontal/Vertical Cursor 보이기/감추기 버튼
18. Cursor 1, 2 위치 설정 버튼
19. 각 채널의 측정 값 모니터링 및 스코프 화면에 보이/감추기 설정 Check 버튼
- 20 ~ 23. Recorder 기능 창