

# 아날로그 & 디지털 회로 실험장비 | MSN-Lab3

## | 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 멀티메타, 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-Lab3 기본 모델

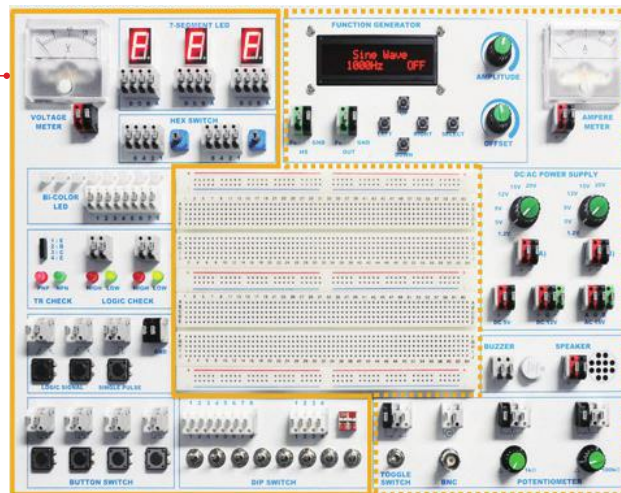


▶ MSN-Lab3 모듈장착 모델

## 특징 및 기능

### ■ Analog Part & Digital Part

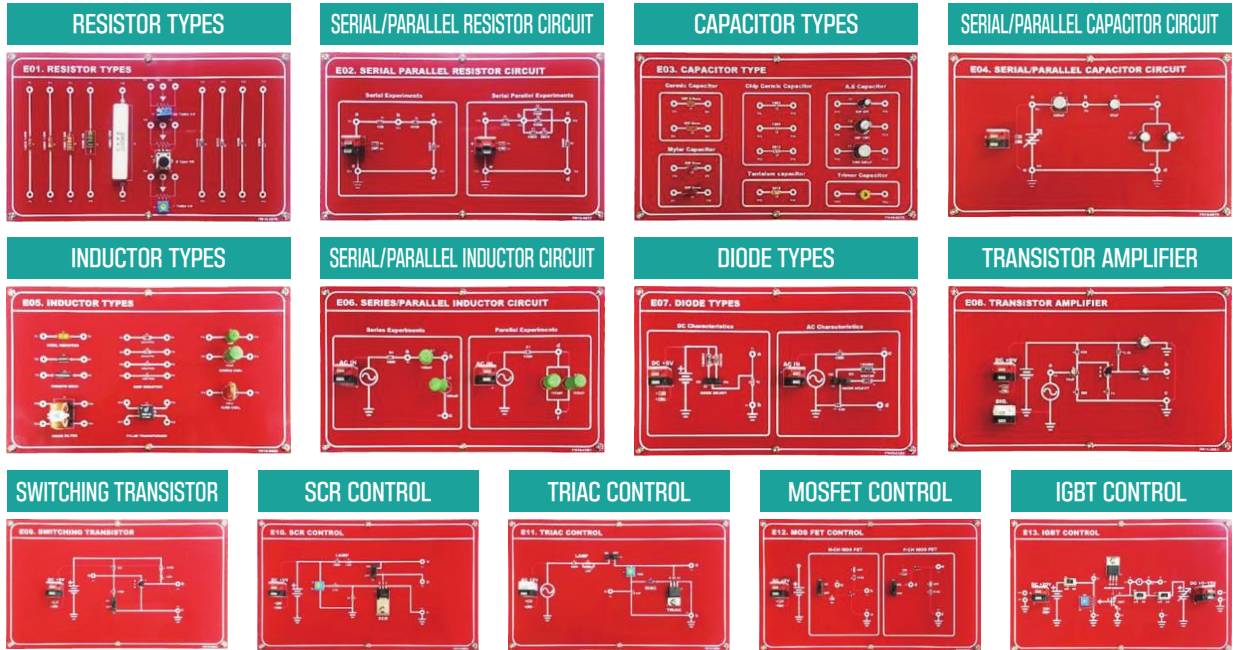
Digital Part



Analog Part

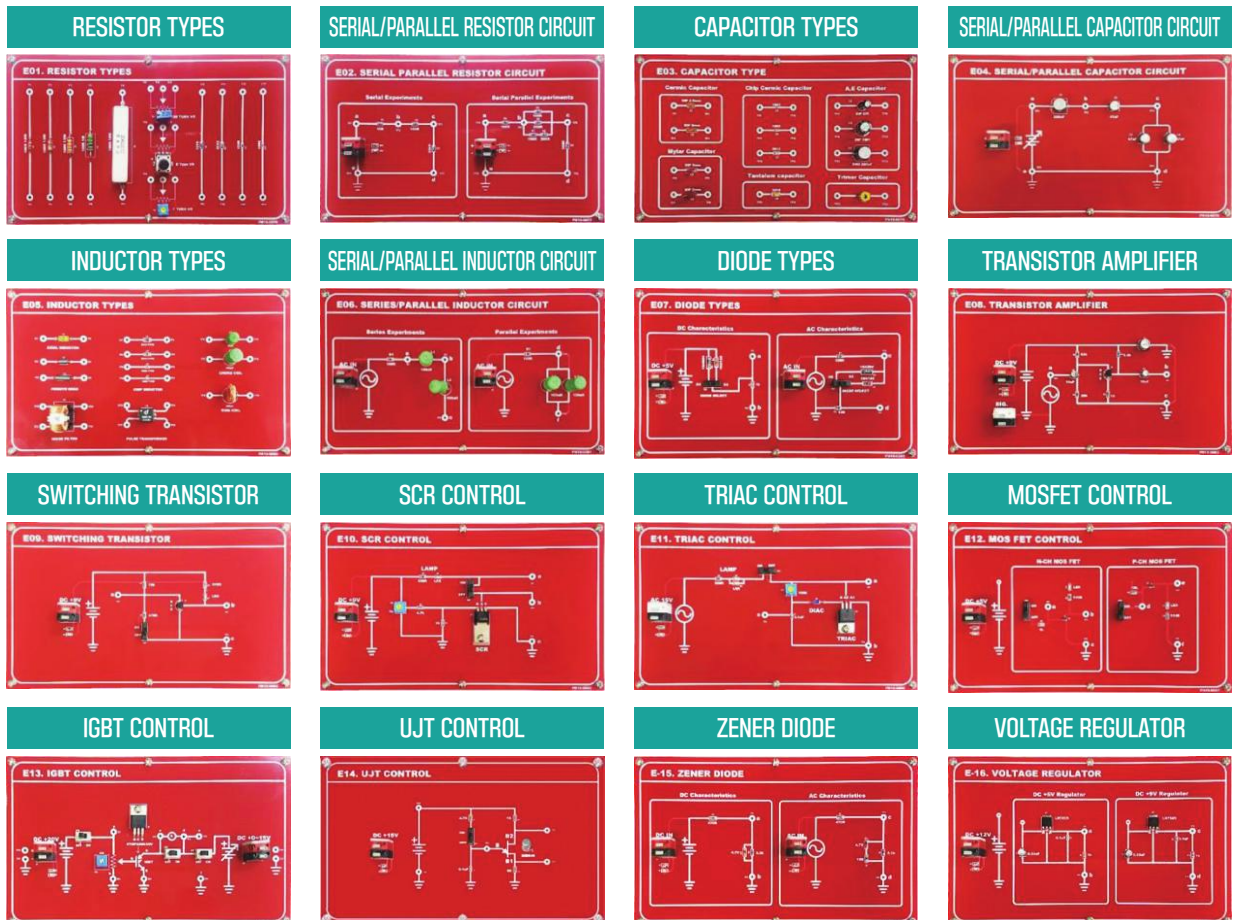
## 모듈 리스트(MSN-LabM13)

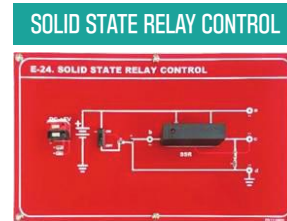
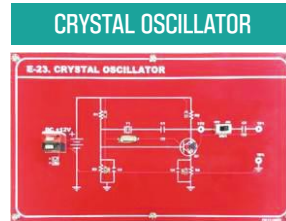
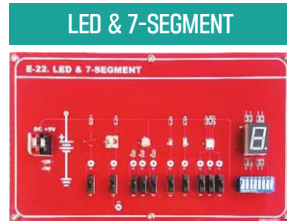
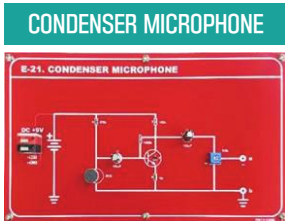
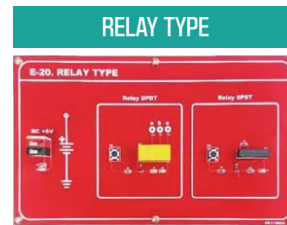
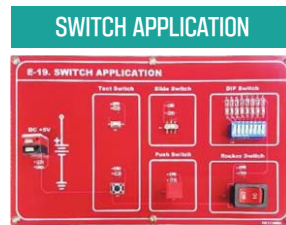
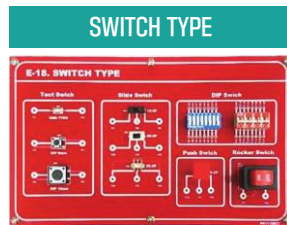
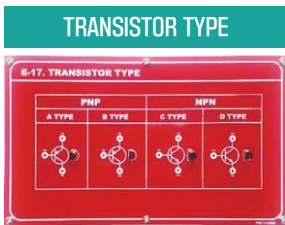
### ■ 전기전자회로 13종 구성



## 모듈 리스트(MSN-LabM13)

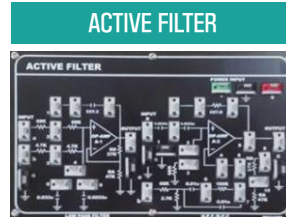
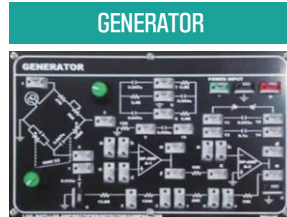
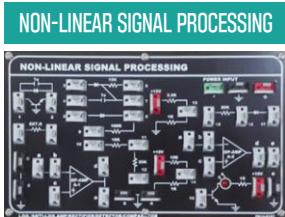
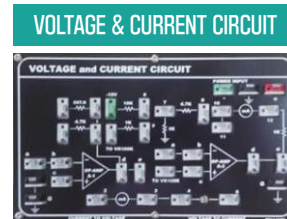
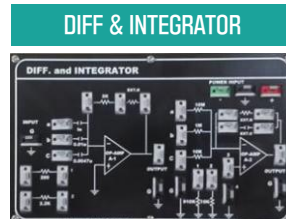
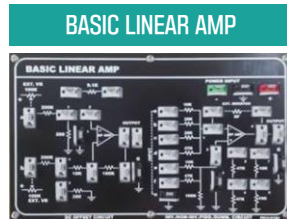
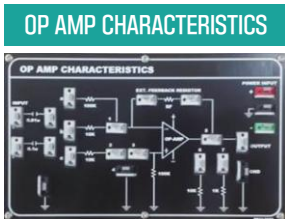
### ■ 전기전자회로 24종 구성





## 모듈 리스트(MSN-LabM13)

### ■ OP-AMP 7종 구성



장비 구성	
Power Supply	<ul style="list-style-type: none"> <li>DC 가변전원(출력 : 3.3V~20V)</li> <li>DC 고정전원(출력 : 5V, ± 12V)</li> <li>AC 고정전원(출력 : 15V(양파))</li> </ul>
Function Generator	<ul style="list-style-type: none"> <li>정현파, 삼각파, 사각파, 구형파, 톱니파, 역톱니파</li> <li>0~100KHz (20Vp-p)</li> </ul>
Display	<ul style="list-style-type: none"> <li>BI-COLOR LED(8ea)</li> <li>7-SEGMENT LED(3ea)</li> <li>LOGIC CHECK(2ea)</li> </ul>
Logic Input	<ul style="list-style-type: none"> <li>HEX SWITCH(2ea)</li> <li>LOGIC SWITCH(TOGGLE 8ea, DIP 4ea)</li> <li>BUTTON SWITCH(4ea)</li> <li>LOGIC SIGNAL &amp; SINGLE PULSE</li> </ul>
회로 소자	<ul style="list-style-type: none"> <li>SPDT SWITCH &amp; BNC I/O</li> <li>POTENTIOMETER(1kΩ, 100kΩ)</li> <li>BUZZER &amp; SPEAKER</li> </ul>
계측	<ul style="list-style-type: none"> <li>VOLTAGE METER</li> <li>AMPERE METER</li> </ul>
Type	<ul style="list-style-type: none"> <li>포터블/가방형</li> </ul>
Accessory	<ul style="list-style-type: none"> <li>POWER CABLE</li> <li>Jump Wire</li> <li>Operating Manual</li> </ul>

