

Electronic Training Equipment & Breadboard / Accessories



IDL-800A Digital Lab

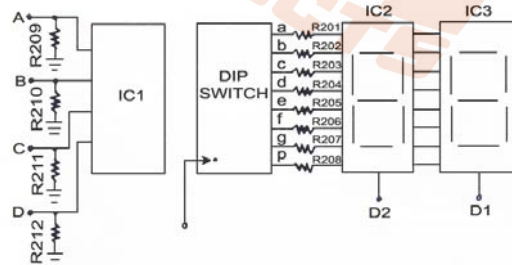


Specifications

1. Solderless breadboard : AD-200
Interconnected nickel plated contact socket with a total of 1896 tie points fits all components with DIP size and solid wire in diameter of AWG #22-30 (0.3 ~ 0.8mm)
2. DC power supply
 - (1) Variable DC power :
Positive output voltage : $0 \sim +15V \pm 10\%$
Negative output voltage : $0 \sim -15V \pm 10\%$
Maximum output current : 300mA.
Line regulation : $< 0.05\% / V$ ($T_a = 25^\circ C$)
Load regulation : $< 30mV$ ($T_a = 25^\circ C$)
 - (2) Fixed power supply :
Positive output voltage : $+5V \pm 10\%$
Maximum output current : 1Amp.
Line regulation : $< 50mV$.
Load regulation : $< 100mV$.
Negative output voltage : $-5V \pm 10\%$
Maximum output current : 100mA
Line regulation : $< 25mV$.
Load regulation : $< 30mV$.
 - (3) All DC power supplies with short circuit protection.
3. Function generator :
 - (1) Frequency ranges : 0.1 Hz ~ 2 Hz
(6 ranges) 1 Hz ~ 20 Hz
 10 Hz ~ 200 Hz
 100 Hz ~ 2 K Hz
 1K Hz ~ 20K Hz
 10K Hz ~ 200K Hz
 - (2) Sine wave output : $0 \sim 5V_{pp} \pm 10\%$ variable
 - (3) Triangle wave output : $0 \sim 5V_{pp} \pm 10\%$ variable
 - (4) Square wave output : $0 \sim 15V_{pp} \pm 10\%$ variable
 - (5) TTL mode output : $+5V \pm 10\%$
4. Digital voltmeter :
 - (1) $3\frac{1}{2}$ digits LED display.
 - (2) 4 ranges: $0 \sim 199.9V$ full scale
 $0 \sim 19.99V$ full scale
 $0 \sim 1.999V$ full scale
 $0 \sim 199.9mV$ full scale
 - (3) Input impedance : $10M\Omega$ for any range.
5. Universal counter
 - (1) Frequency range : 1Hz ~ 99.999999MHz ;
 10Hz ~ 100.00000MHz
 - (2) Period range TH & TL : $0.01\mu s \sim 999999.99\mu s$;
 $1\mu s \sim 99999999\mu s$
 - (3) Input signal: TTL or CMOS level or any level ($V_{min} \geq +2.3V_p \pm 10\%$)
 - (4) Display : 8-digit 7-segment LED display
 - (5) Counter switch : External / internal

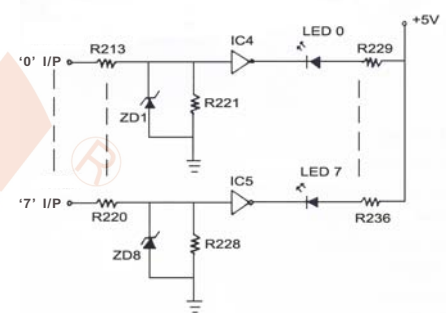
6. Two digits of 7 segment LED display :

Common cathode operation

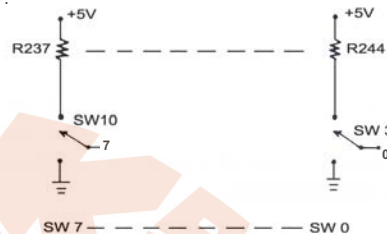


7. Four point tip / banana socket / BNC socket exchange adapters

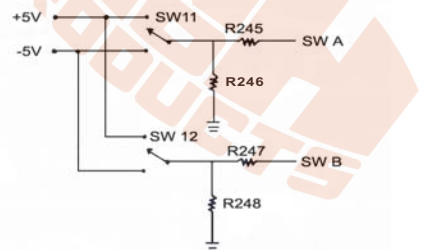
8. Eight buffered LED displays :



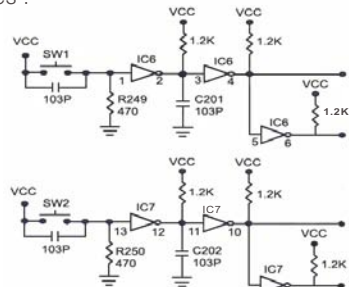
9. Eight data switches :



10. Two function switches :



11. Two pulse switches :



12. Dimensions : 420 x 360 x 200mm (L x W x H)

13. Weight : 4.2kg