OMEGA®

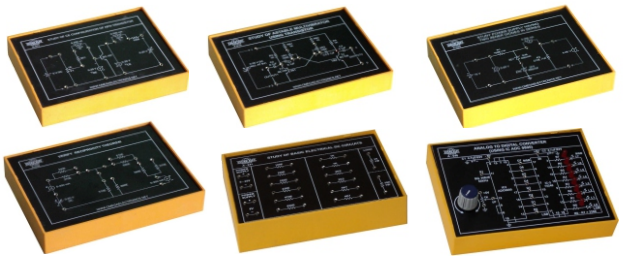
A SIGN OF QUALITY PRODUCT

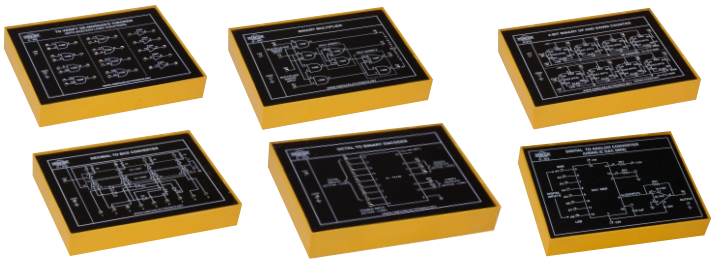
MODULES FOR DIGITAL- ANALOG LAB

OMEGA TYPE A 001-A 046 & D 001-D 032

OPTIONAL MODULES :-

These are ready to use modules with wired components & circuit schematic drawn on top compatible to use out of bellow modules can be used with our Following Training Boards. Digital Lab **(DL-1041)**, Analog Lab **(AL-1042)**, Digital -Analog Lab **(DAL-1043)**, Digital Trainer **(DL-1044)**, Logic Lab **(DL-1047)**, Digital Lab Station **(DL-1049)** Bread Board Circuit Lab **(BBS-105)**, **LTB-841**, **LTB-842**, **LTB-845.**





ANALOG LAB MODULES

A001. Study of Diode in DC circuits
A002. Study of Light Emitting Diodes in DC Circuits
A003. Study of Half wave rectifier
A004. Study of Full wave rectifier
A005. Study of Zener Diode as a voltage regulator
A006. Study of transistor series voltage regulator
A007. Study of transistor shunt voltage regulator
A008. Study of Low pass filter
A009. Study of High pass filter
A010. Study of band pass filter
A011. Study of CE configuration of NPN transistor
A012. Study of CB configuration of NPN transistor
A013. Study of CE amplifier
A014. Study of Monostable multivibrator using transistor
A015. Study of Bistable multivibrator using transistor
A016. Study of Astable multivibrator using transistor
A017. Study CB amplifier (PNP)
A018. Study CC amplifier (PNP)
A019. Study of FET amplifier.
A020. Study power supply having two zener diodes in series
A021. Study dual polarity voltage regulated power supply
A022. Study the characteristics of photo transistor
A023. To practically understood the operation of a 7-segment LED display
A024. To Study CC configuration of NPN transistor
A025. Study CE configuration of PNP transistor
A026. Study CB configuration of PNP transistor
A027. Study CC configuration of PNP transistor
A028. Study full wave dual polarity supplies
A029. Study of FET characteristic
A030. Verify superposition theorem
A031. Verify thevonin's theorem
A032. Verify receprocity theorem
A033. Study of Phase shift audio oscillator (Solid State)
A034. Verify kirchoff 's law (V& I)
A035. Verify ohm's law
A036. Ideal resistance characteristics
A037. Verification of series law of resistance
A038. Verification of parallel law of resistance
A039. Verify maximum power transfer theorem
A040. Study of series and parallel resistance, capacitors and inductance circuits
A041. Study of basic electrical DC circuits
A042. Study of AC circuits
A043. Study of series and parallel resonance and operational amplifier circuits
A044. Study of power supply circuit, 555 timer and solid state switch
A045. Study of difference Amplifier
A046. Analog to digital converter (using IC ADC 0800)

DIGITAL LAB MODULES

D001 Logic gates operation
D002 To verify De-morgan's theorem with boolean logic equations
D003 Binary to Gray code conversion
D004 Gray code to Binary conversion
D005 Binary to Excess-3 code conversion
D006 Binary Adder and Subtractor
D007 Binary Multiplier
D008 EX-OR gate implementation
D009 Application of EX-OR gate
D010 Johnson Counter
D011 To verify the dual nature of Logic Gates
D012 Study of Flip-Flops RS, JK, D&T
D013 Multiplexer and Demultiplexer
D014 4 Bit Binary up and down counter
D015 Study of 8 to 3 Line Encoder
D016 Study of 3 to 8 Line Decoder
D017 Study of Shift Register (SIPO)
D018 CMOS-TTL Interfacing
D019 Study of Crystal oscillator
D020 Study of pulse stretcher circuit
D021 4 Bit Ring Counter
D022 Modulo 12 Counter By Direct Clearing
D023 Decade counter
D024 Shift Register SISO and PIPO
D025 Decimal to BCD Converter
D026 Astable Multivibrator using Digital IC
D027 Bistable Multivibrator using Digital IC
D028 Monostable Multivibrator using Digital IC
D029 Octal to binary Encoder
D030 4 Bit Magnitude Comparator
D031 Interface of TTL-IC to CMOS-IC & CMOS IC to TTL-IC
D032 Digital to analog converter (using IC DAC 0808)

Weight : 0.7 Kg. (Approx)
Dimension : W 176 x H 131 x D 37

OMEGA® A SIGN OF QUALITY PRODUCT

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

Works:
28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
: omegajaipur62@gmail.com

www.omegaelectronics.net

Marketing Division:
B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223

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