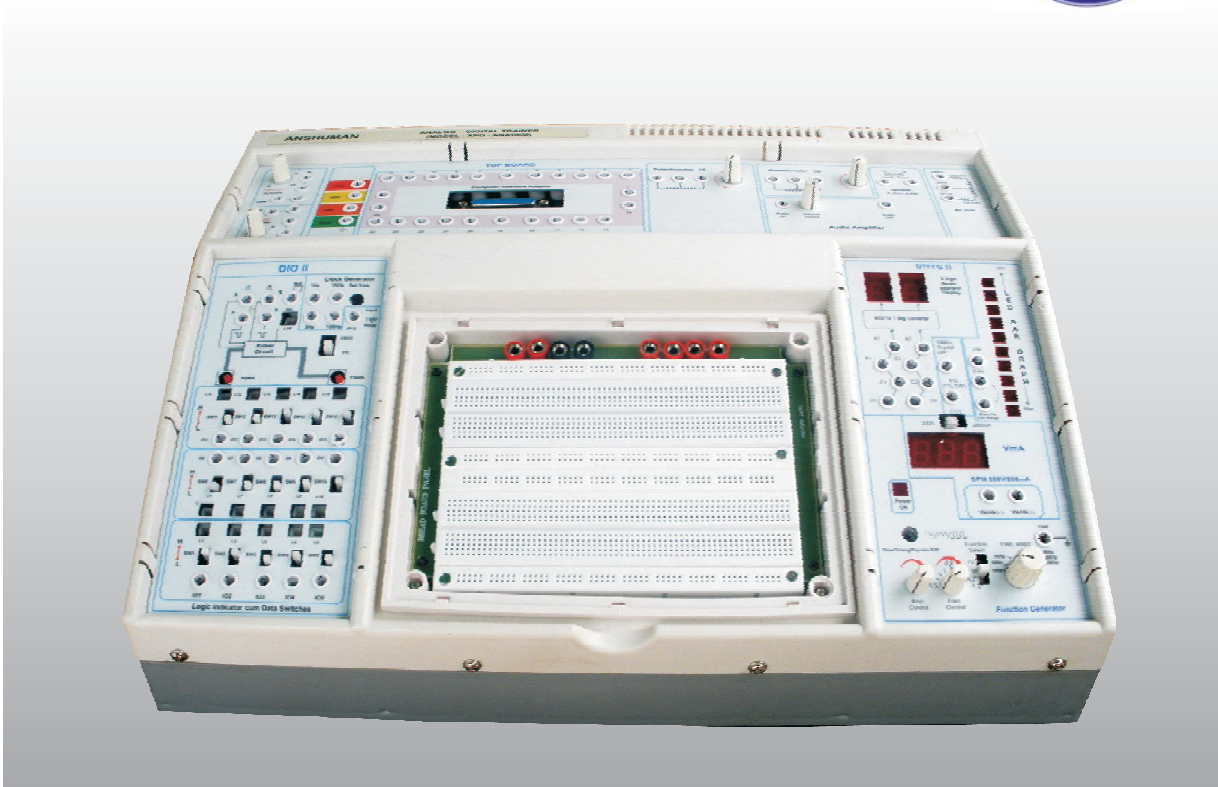


ANALOG - DIGITAL TRAINER (Model : XPO-ANADIGI)



SPECIFICATIONS OF MASTER UNIT

- ◆ Built in Power Supply:
DC Power Supply : 5V / 1A, $\pm 12V$, 500mA
0 - $\pm 12V$ 150mA (variable),
AC 12-0-12, 150mA AC
- ◆ Built in Function Generator:
Output Waveform: Sine, Triangle & Square / TTL
Output Frequency: 1 Hz to 200KHz in 6 ranges,
with amplitude & frequency control pots. O/P
Voltage 20V p-p max.
- ◆ Clock Generator : 10 MHz TTL clock.
- ◆ Input Data Switches and output LED status indicators for High/Low indication (15+1No.)
- ◆ Pulsar switches (2 Nos.) With four debounced outputs - 2 No.
- ◆ Fixed TTL (5V) clocks : 4 Nos. 1KHz, 100Hz, 5Hz, 1Hz
- ◆ Logic probe to detect High/Low level pulses upto 1MHz, with bi-colour LEDs to indicate status.
- ◆ 2 digit 7 segment display with BCD to 7 segment decoder.
- ◆ LED BAR graph with 10 LED indicator to display 0-2.5V or 0-4V input.
- ◆ Onboard DPM is provided with mode selection.
DC volt/current: 200mA/20V - 1No.
- ◆ Onboard POTS: 1K - (1No.) & 1M - (1No.)
- ◆ Onboard speaker: 8 Ω , 0.5 Watt - (1No.)
- ◆ Built in bread board panel with 1280 tie points and 400 distribution points, totalling to 1680 points along with 4mm banana sockets for tapping from the trainer +5V, +12V GND for the circuits to be assembled on bread board using single stand (#22/24)wire.
- ◆ **16 pin ZIF** : Various analog/digital IC's can be tested. **Optionally** Computer Interface Adapter may be provided in place of 16 pin ZIF which facilitates connecting your trainer to either IEEE 488 or RS232 com port of PC using 25 pin (male) D connector through 25 nos. of banana sockets.
- ◆ Mechanical Dimensions:
Master Unit : 460mm (W), 160mm(H), 350mm(D)
Net weight : 5Kg. Gross weight : 7Kg.
Panel : 215mm(W), 165mm(H), 40mm(D)
Net weight: 700 gm approx.
- ◆ Operating Voltage: 230V $\pm 10\%$, 50Hz/35A.

SALIENT FEATURES

- ◆ Aesthetically designed injection molded electronic desk.
- ◆ Master unit carrying useful experiment resources Variable Power supplies / Status / Pulsar / Function Generator, DPMs etc. while the central slot will hold various replaceable experiment panels.
- ◆ Connection through Sturdy 4mm Banana Sockets & Patch Cords.
- ◆ Hands on learning by constructing circuits using built in power bread board panel as well as optionally using Discrete component panel.
- ◆ Set of Users Guide provided with each Unit.

OPTIONAL ACCESSORIES : Can be used with both models : CT & Anadigi

| | | | | | |
|--|---|---|--|---|---|
| Discrete Component Panel (DCP) | Panel with following discrete components : 7 Resistors, 5 diodes, 1 LDR, 1 Zener, 3 NPN transistors, 1 PNP transistors, 1 UJT, 4 Capacitors, 1 HV Capacitors, 2 SCR, 2 FET & MOSFET, 1 12V RELAY, 3 Inductors, 1 Linear pot, 1 Triac, 1 Audio transformer, 1 PUT, 1 HW Resistor, 1 DIAC, 92 Banana sockets for patch cording to construct various circuits. | | | | |
| DIP / ZIF panel (order separate DIP/ZIF panel for each of application) | Model | Digital IC Trainer (DIT I) | TTL CMOS Trainer (DIT II) | Linear IC Trainer | ZIF Panel (I & II) |
| IC used | | 7400, 04, 08, 32, 86, 76, 90 76, 95 or 02 | 74280, 7407, 74HCT14, 4011, 7485, 74191, 4051, 74123 | LM339, TL084, 741, 555 | 40 pin universal ZIF socket |
| No. of sockets | | 142 | 142 | 142 | 76 |
| Discrete component used | | 10Kx1, 0.1uF x 1, 100K pot | 10K x 2, 100K pot, 4K7 x 1, 220K x 1, 0.1uF x 1, 0.047uF x 1 | Resi-15nos, Cap.-15nos, Transi- 2Nos, Diodes-4Nos, Zener-1No., Regulator-3Nos, Pot-1No. | 10Kx2 |
| No. of Expt. | | >50/TTL characteristics Combinational logic 18 Nos. of Demorgan Theorem's Asynchr- -onous sychr. counters, Flip Flop | >22/CMOS characteristics, CMOS TTL I/F, Flip Flop, parity, mux - demux, monostable, synchronous counter | >40 | Various Option II 6 Nos. of 20 Pin ZIF Socket with 120 BS-5 sockets. |
| Overlay Learning System (OLS) | Digital | | Analog | | |
| Set of Components useful for Above OLS | 16 Nos. of tracings supporting 56 Experiments. | | 14 Nos. of tracings supporting 39 Experiments. | | |
| | As per your order and specification consisting of Resistor(92nos.), Capacitor (43nos.), Inductor (4nos.), Transistor (11nos.), Diode (9 nos.), LEDs (13 nos.), ICs (53 nos.) etc. Supplied with 22 or 24 SWG SS Hook up wires for BB panel 1 mtr length & 4mm yo 22 SWG SS (300mm) X 10Nos | | | | |
| Bread Board Trainer (Power Project Board) | Bread board : With 1280 tie points & 400 distribution points totalling to 1680 points with built in power supply : +5V, ±12V, variable 0 to ±12V | | | | |

ANSHUMAN Tech Pvt Ltd.

Plot 13, Sthairya Society, Behind Tol Hospital
Nr .Nav-Sahyadri Society, Karve Nagar
Pune – 411 052 (Maharashtra)INDIA
Email : anshumanelectronics@vsnl.com
anshumantech@yahoo.in

Tel : (0091)(020) 25460892 /
25463052
Fax : (020) 25463052
Visit us at : www.anshumantech.com/
www.anshumantech.net

Specifications subject to change without notice