

Product Name :
Synchronous and Asynchronous Counter Trainer

Product Code :
NLAB-ELECTRONICSAB220011

Description :

Synchronous and Asynchronous Counter Trainer

Technical Specification :

SCOPE OF LEARNING:

Mod-10 (Decade) Ripple Counter Using J-K Flip Flop

4 Bit Mod-16 Asynchronous Counter Using J-K Flip Flop

3 Bit Up/Down Asynchronous Counter Using J-K Flip Flop

4 Bit Up/Down Counter Using 74193 IC

4 Bit Up Counter Using 74190 IC

TECHNICAL SPECIFICATIONS:

Power Supplies:

DC Power Supply +5V,150mA

Operated on Mains power 230V, 50Hz +10%

Technical specifications:

Four independent logic level inputs to select High / Low TTL levels, each with a LED to indicate high / low status and termination.

Five independent buffered logic level indicators for High / Low status

IC 74193 is provided on board with Combinational Circuit.

IC 74190 is provided on board with Combinational Circuit.

4Nos. J-K Flip Flop Assembly Using 7473 IC is provided with Combinational Circuit.

3 Nos. And-Or Gate Assembly Using TTL IC's.

2Nos. 3 Input And Gate Using 7411 IC

One 3 Input Nand Gate Using 7410 IC

One Inverter Using 7404 IC.

Clock Generator Mono Pulsar given on Board.

SALIENT FEATURES:

Front panel built with high class insulated Printed Circuit Board sheet with well printed circuits and symbols.

Instruction manual.

Connections are brought out through 2mm Sockets.

Patch Cords 2mm.

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 12"x8"

Naugralabequipments

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