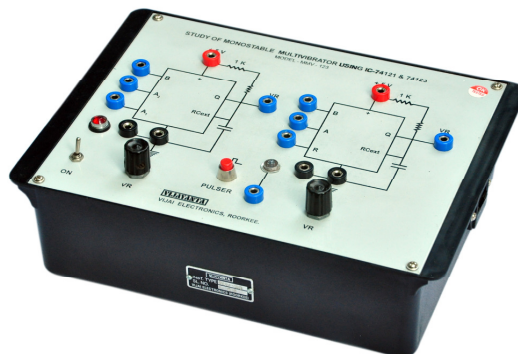


## STUDY OF MONOSTABLE MULTIVIBRATOR USING I.C. - 74121 AND 74123, MODEL : MMV - 123.



### FEATURES:

- \*\* The I.C. - 74121 is a dedicated TTL monostable Multivibrator which can be used to generate different width output pulse Nano Sec. up to hundred milli Sec.
- \*\* For continuous trigger (re-triggerable) there is another TTL I.C. - 74123. Both the I.C.s are used in this experimental board.
- \*\* The complete pin - diagram of both the I.C.'s with individual terminals are provided with the experimental board.
- \*\* A pulser key with LED (For indicative pulse time is provided on the panel for external triggering).
- \*\* There are three trigger inputs and one output (the complemented output is neglected) with external connection of timing components  $R + R1$  and  $C$ .
- \*\* The resistance  $R$  is made variable for obtain different pulse width.
- \*\* A complete working manual containing theory, circuit details and operating instruction supplied with the experimental board.
- \*\* Built-in I.C. Regulated and short circuit proof  $\pm 5$  Volt D.C. Power Supply suitable to the experimental board.
- \*\* Stackable type connecting leads suitable to the terminals are supplied with the board for easy inter - connections and longer life of the terminals.
- \*\* Weight : 2Kg. Approximately
- \*\* Dimension : 280mm  $\times$  210mm  $\times$  82mm

### EXPERIMENTS :

1. Determination of pulse period ( $T = 0.695 RC$ ) for different value of  $R$  and verify the truth - table of both the I.C.'s.

### OTHER APPARATUS REQUIRED :

1. A general purpose dual trace C.R.O.
2. A Function Generator.

*Note: There may be any change in specification due to continuous R & D without notice.*

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