

STUDY OF HYBRID – PARAMETERS OF A TRANSISTOR,

MODEL : H – 01.



A Transistor has low input impedance and high output impedance and hence the use of Z and Y parameters becomes awkward specially at high frequency. As a result the hybrid of 'h' parameters are found to be most useful for transistor circuit analysis, because the hybrid parameters form a combination of impedance and admittance parameters and are selected to ideally suit the low input and high impedance of the transistor. Another advantage is that the parameters h_{11} , h_{12} almost correspond to the actual operating conditions.

The experimental set – up have been laid down on a decorated bakelite sheet with an aim of providing an easy understanding to the students. All components are well spread out for clarity and easy repairs and replacement. The set – up is provided with a booklet, which contains its details theory of operation description, specifications, suggestions and discussions on the various experiments that may be performed with it.

** Weight : 2.2Kg Approximately

** Dimension : 210mm × 280mm × 82mm

The following studies can be carried out with this set – up :

1. Study of h_{11} parameters (Input Impedance parameters).
2. Study of h_{22} parameters (Output Impedance parameters).
3. Study of h_{21} parameters (Forward Current transfer ratio).
4. Study of h_{12} parameters (Reverse Voltage Feedback Ratio).

The experimental set – up is provided with a built-in Power Supplies and it complete.

OTHER APPARATUS REQUIRED :

1. True RMS A.C. Millivoltmeter, Model – ACM – 536.
(with builtin 1 KHz Oscillator)

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

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