

**Product Name :**  
FET Characteristics for Vocational Training and Didactic Labs

**Product Code :**  
ETKN-0025



**Description :**

Equipment for Education, Engineering and Vocational Training - Experimental Training Board has been designed specifically to study the characteristics of a Field Effect Transistor.

**Technical Specification :**

The board is absolutely self contained and requires no other apparatus. Practical experience on this board carries great educative value for Science and Engineering Students.

**OBJECT**

- \* To study the characteristics of Field Effect Transistor
- \* Measurement of  $I_{DSS}$
- \* Plot the static drain characteristics of FET
- \* (a) Drain Current V/s Drain Voltage Characteristics for different fixed values of  $V_{GS}$
- \* (b) Drain Current V/s Gate Bias Characteristics for different

fixed values of VDS Calculate the FET parameters (drain dynamic resistance  $r_d$ , mutual

conductance  $g_m$ , and amplification factor  $\mu$ ) at a given operating point

## Naugra Export

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