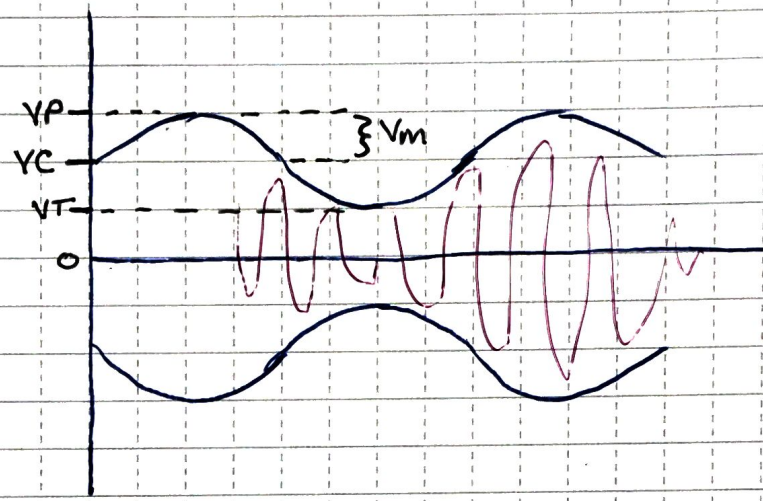


MEASURING AMPLITUDE MODULATION DEPTH

(USING AN OSCILLOSCOPE)



$$\text{MODULATION INDEX} = \frac{V_m}{V_C}$$

$$\text{MODULATION PERCENTAGE} = \frac{V_m}{V_C} * 100\%$$

$$V_m = \frac{1}{2} * (V_P - V_T)$$

$$V_C = \frac{1}{2} * (V_P + V_T)$$

$$\text{MOD PERCENTAGE} = \frac{V_P - V_T}{V_P + V_T} * 100\%$$