

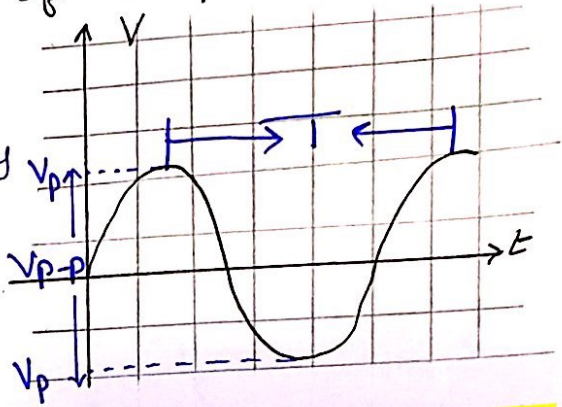
Experiment 5: Digital storage oscilloscope (DSO)

DSO :-

- used to view signals graphically
- used to provide measurements of : Amplitudes, frequencies and phase differences

Input connectors: $\left\{ \begin{array}{l} \text{Ch1} \\ \text{Ch2} \end{array} \right\}$ Wave form display

EXT TRIG for an external trig



Taking measurements:-

- you can count divisions → you can use button Measure
- you can use cursor

Buttons:-

Amp 1 : output $\rightarrow$ $\sqrt{2}$

Range:-
1-1MH

$$V_{rms} = \frac{V_p}{\sqrt{2}}$$

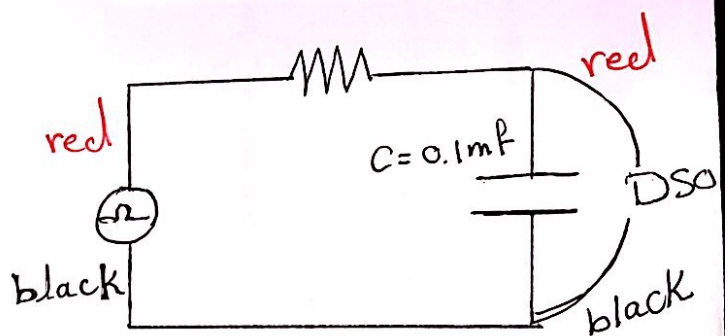
root mean square

Internal Mode

x-axis $\rightarrow$ ω $\cdot$
y-axis $\rightarrow$ $\sqrt{2}$ $\cdot$

external Mode

ω $\cdot$
No time on any axis



Alaa Itaiwi

Signal Generator :-

- تنظيمي : ١- شدة الموجة
٢- التردد
٣- نوعها

Alaa Haid