

# Experiment 5: Digital Storage Oscilloscope (DSO)

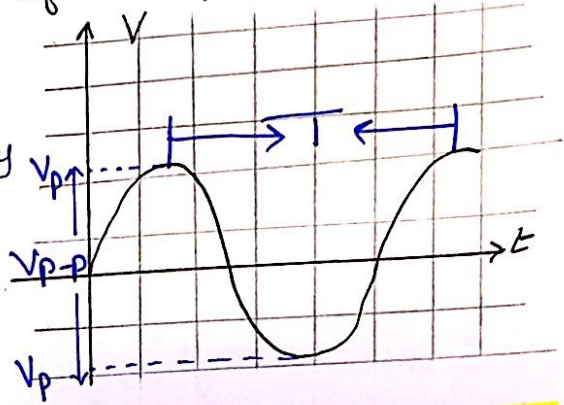
## DSO :-

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

Input connectors:
 

- CH1
- CH2
- EXT TRIG for an external trig

 Wave form display



## Taking measurements:-

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

## Buttons:-

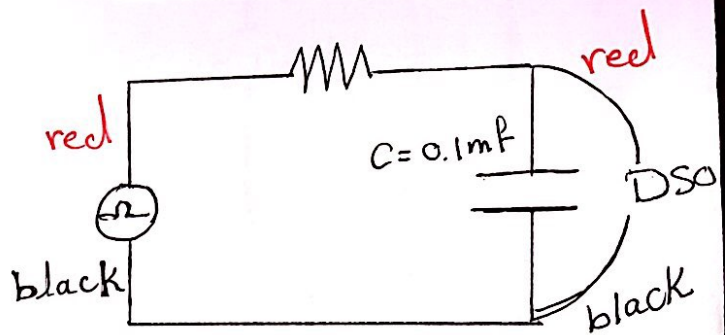
Amp 1: output  $\rightarrow$   $\frac{V_p}{\sqrt{2}}$

Range:-  
1-1MHz

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

root mean square

Internal Mode	external Mode
x-axis $\rightarrow$ $\omega$ (freq)	$\omega$ (freq)
y-axis $\rightarrow$ $V$ (voltage)	No time on any axis



Alaa Itaiwi

# Signal Generator :-

- تصميم :
  - 1- نوع الموجة
  - 2- التردد
  - 3- نوعها

Alaa Fhaid