

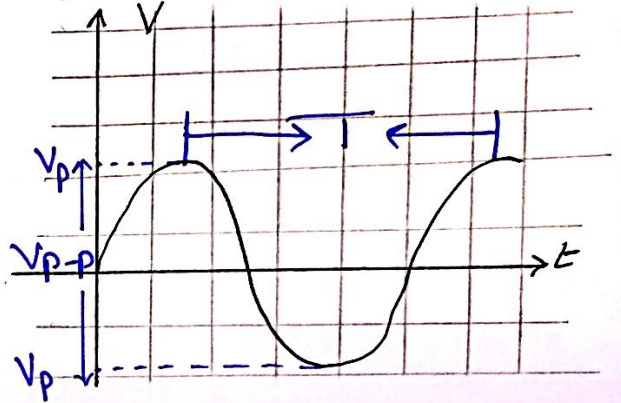
Experiment 5: Digital storage

oscilloscope (DSO)

DSO :-

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

Input connectors:
 ↗ ch1
 → ch2
 ↘ EXT TRIG
 for an external trig



• Taking measurements:-
 → you can count divisions

• Buttons:-

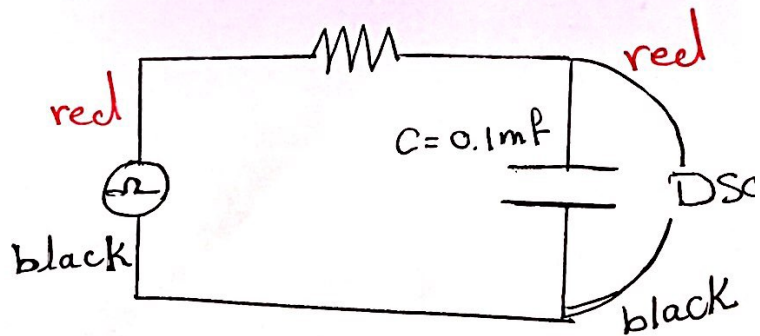
Amp 1 : output \rightarrow $\frac{V_p}{\sqrt{2}}$

/ Range :-
 1-1 MHz

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

← root mean square

Internal Mode	external Mode
x-axis ω s	ω s
y-axis μ s	No time on any axis



signal Generator :-

- تتحكم في :
 - 1- عتة الموجة
 - 2- التردد
 - 3- نوعها