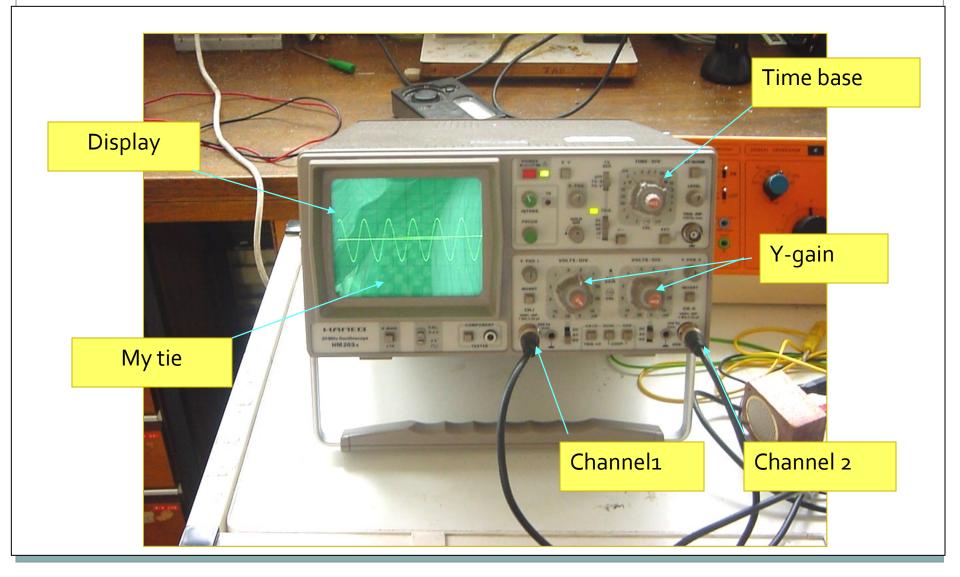
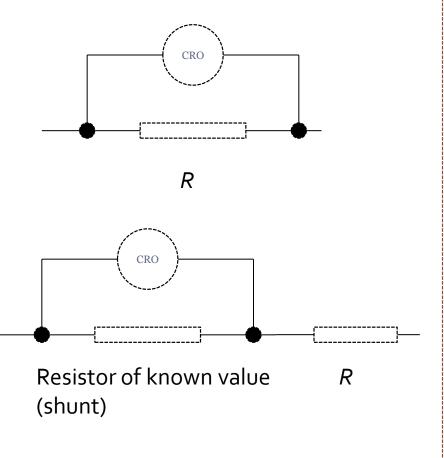
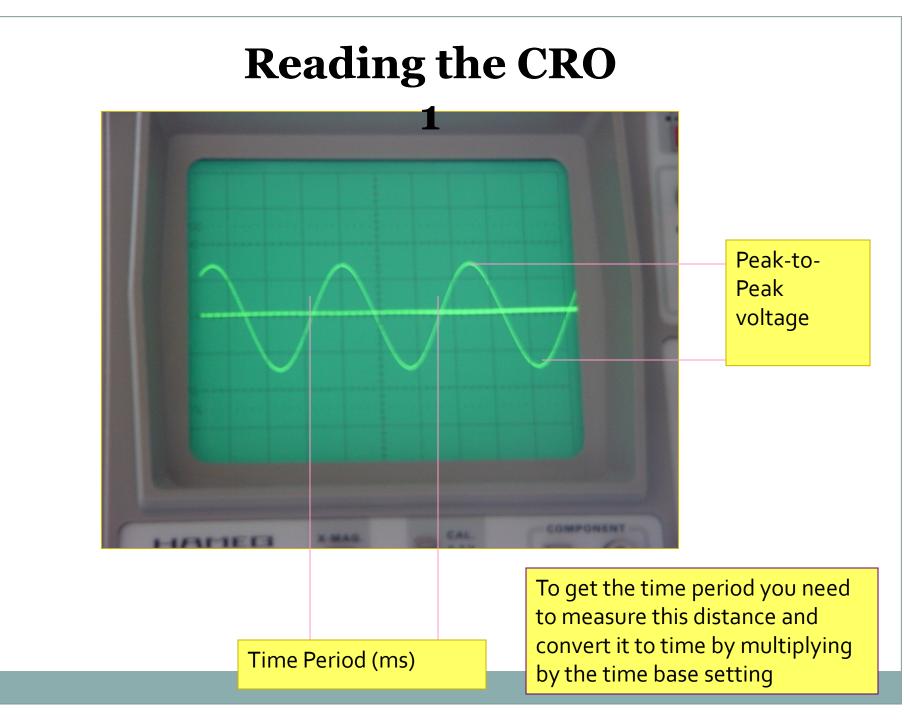
## Cathode Ray Oscilloscope (CRO)



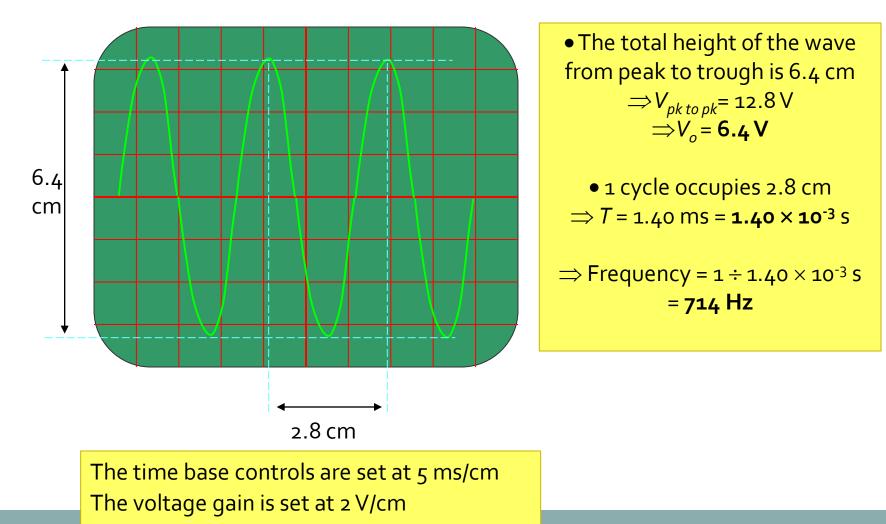
## CRO in a Circuit

- It can be used as a voltmeter by connecting it across a component.
- It can be used as an ammeter by measuring the voltage across a resistor of known value. Then use I = V/R to get the current.





## **Reading the CRO 2**



- Mains electricity is always AC.
- In Europe it is at a frequency of 50 Hz.
- AC waveforms have peak voltage and RMS voltage.
- $V_{RMS} = 0.7 V_{Pk}$
- AC waveforms can be studied with a CRO.