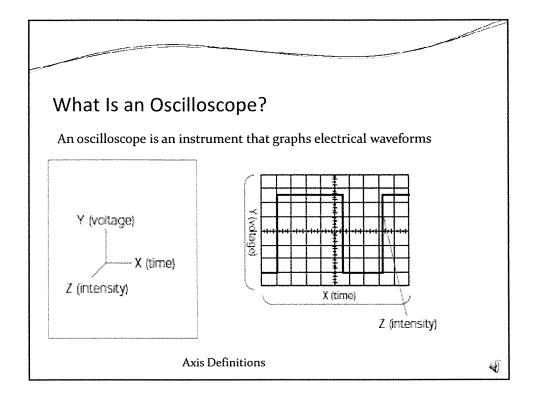
Measuring Waveform Values Using an Oscilloscope

Lesson 11 EET 150

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Scope Measurement Learning Objectives

- In this lesson you will:
- what measurements an oscilloscope can make.
- how to interpret an oscilloscope display.
- how to measure signal amplitudes.
- how to measure signal frequency.
- see phase shift of waveforms.
- measure the phase shift between two waveforms.



Oscilloscope Measurements

Period and voltage values of signal waveforms

Frequency of oscillating signals

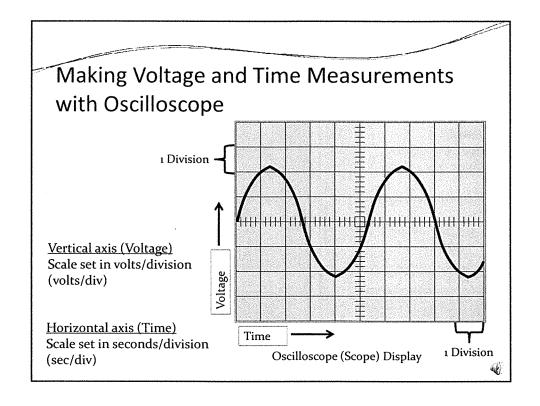
Circuit operation represented by signal waveforms

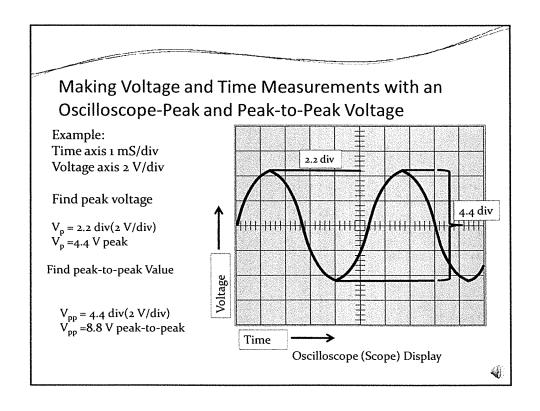
Phase shift of one circuit signal relative to another signal

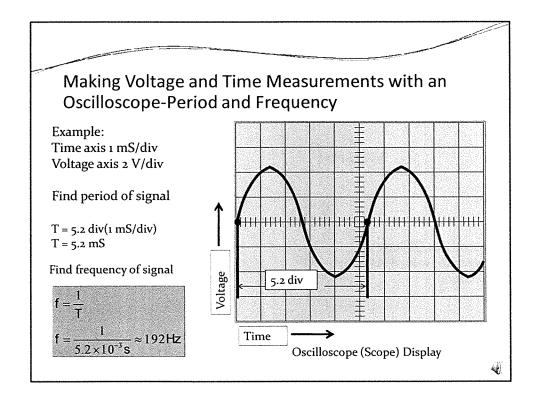
If a malfunctioning component is distorting a signal

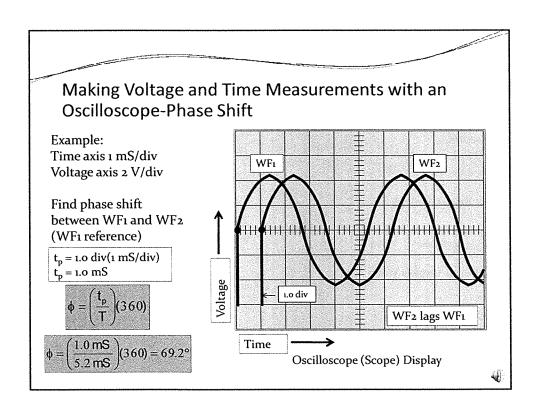
How much of a signal is ac and how much is dc.

Circuit noise levels









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End Lesson 11 EET 150

Coming Next: Oscilloscope Controls