

Understanding Basic Concept of Electrical and Electronic Systems

Asadullah Shah



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UNDERSTANDING BASIC CONCEPT OF ELECTRICAL AND ELECTRONIC SYSTEMS

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Asadullah Shah



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6. CONTROL PANEL OF AN OSCILLOSCOPE

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6.0 Abstract:

The oscilloscope is used through a control panel and a hardware interface. The interface contains control panels with scales of measurements and range in which physical quantities can be measured. The control panel also is used to control signals in vertical axis (x-axis) and horizontal axes (y-axis). The students may learn how to adjust these axis adjustments before taking any measurements for an experiment. In correct adjustment may result in wrong outcomes. In this session students will learn and will be familiarize with t=control panels.

6.1 Front Panel Control Sections of an Oscilloscope

Some oscilloscopes have an AUTOSET or PRESET button that sets up the controls in one step to accommodate a signal. If your oscilloscope does not have this feature, it is helpful to set the controls to standard positions before taking measurements.

Standard positions include the following:

- Set the oscilloscope to display channel 1
- Set the volts/division scale to a mid-range position