Tektronix TDS 2012 Quick Start
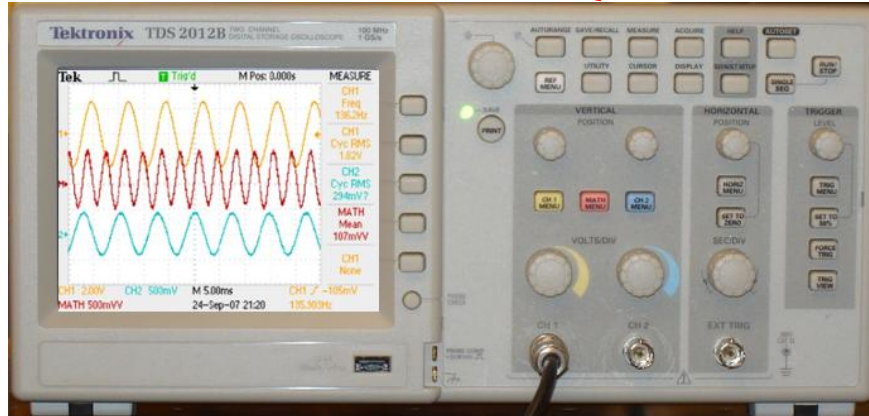

Finding the basics

If you're not familiar with these, find a beginning oscilloscope tutorial.

Power button

Scaling and shifting controls

Trigger knob

Input connectors

Reading the scales

trigger information

CH1
Freq
136.2Hz

CH1
Cyc RMS
1.82V

CH2
Cyc RMS
294mV?

MATH
Mean
107mVV

CH1
None

vertical origins (marked with channel number or 'M' for math)

1 division

1 division

CH1 2.00V   CH2 500mV
MATH 500mVV

M 5.00ms
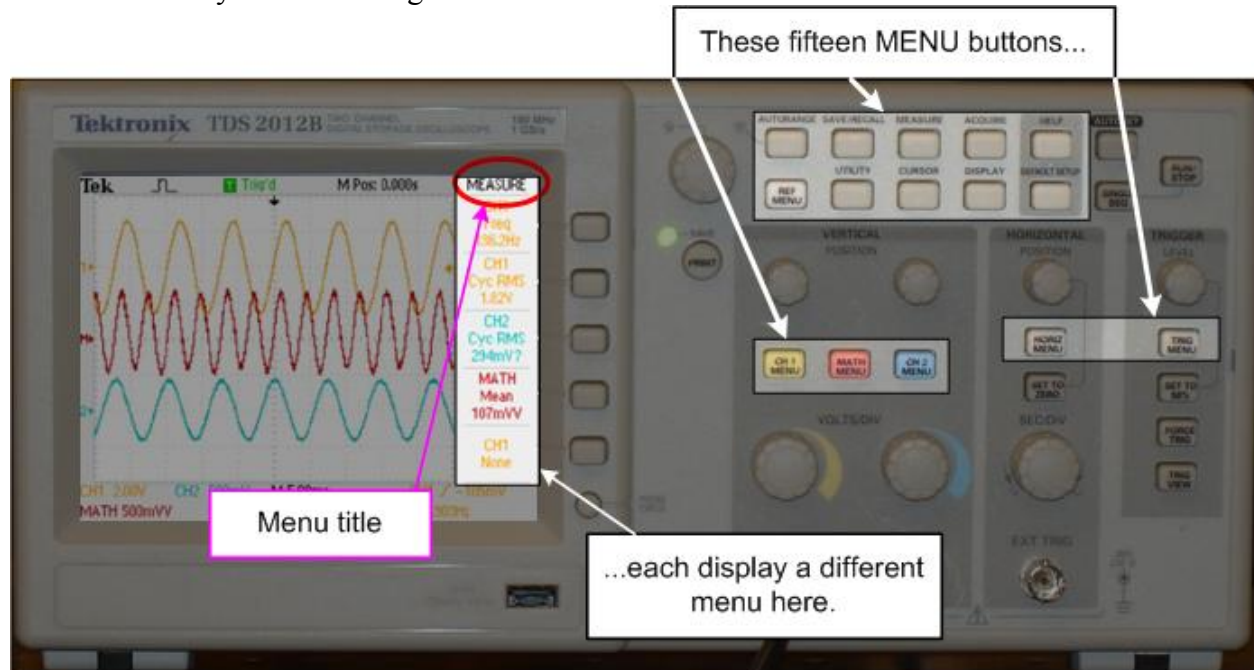24-Sep-07 21:20

CH1 ∕ −105mV
135.903Hz

vertical scale (per division) for each channel

time per division ('M' stands for main time base)

How do I control the display?

Once you understand the front panel, using the oscilloscope is fairly intuitive.

First make sure you're in the right menu:

Try the MENU buttons to watch the display change as you press each one. (Exceptions: AUTORANGE and DEFAULT SETUP may change your setup as soon as you press them.)

	Five control buttons are located just to the right of the display. If you want to change a menu item, press its control button.

	Multipurpose knob: Use when menus prompt you to adjust values. **PRINT button**: sends output to a printer or USB flash drive, depending on the settings in the SAVE/RECALL menu.

What if I don't see *anything*?

An AUTOSET button (upper right) usually finds your waveform.
(Note: AUTORANGE is similar to AUTOSET, but continuously adjusts the display.)

What if I *still* don't see anything?

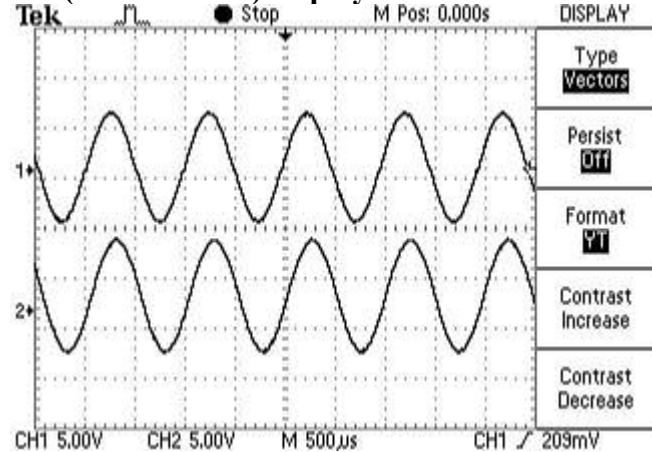**Factory default settings** are available by pressing the DEFAULT SETUP button.
Then try AUTOSET.

A few more things:

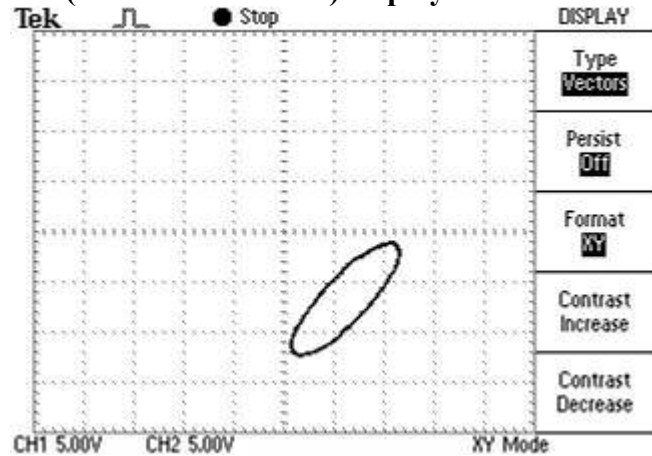|	
Probe Settings- Some probes attenuate the signal passing through them. Check that the oscilloscope setting matches your probes.	CH 1 MENU (or CH 2 MENU) →Probe (cycle through choices)

YT (dual-channel) display format	DISPLAY MENU →Format (cycle through choices)
XY (channel v. channel) display format	DISPLAY MENU →Format (cycle through choices)

MEASURE allows you to display quantities the 2012 can calculate from your waveform (frequency, rms amplitude, etc.)	CURSOR displays vertical or horizontal cursors you can position manually and displays the time or voltage between them.