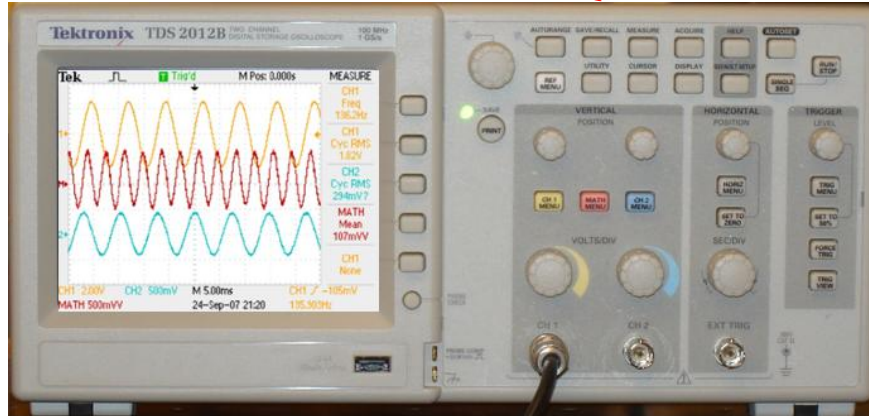


Tektronix TDS 2012 Quick Start



Finding the basics

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

Reading the scales

| MEASURE | |
|---------|----------------|
| CH1 | Freq 136.2Hz |
| CH1 | Cyc RMS 1.82V |
| CH2 | Cyc RMS 294mV? |
| MATH | Mean 107mV? |
| CH1 | None |

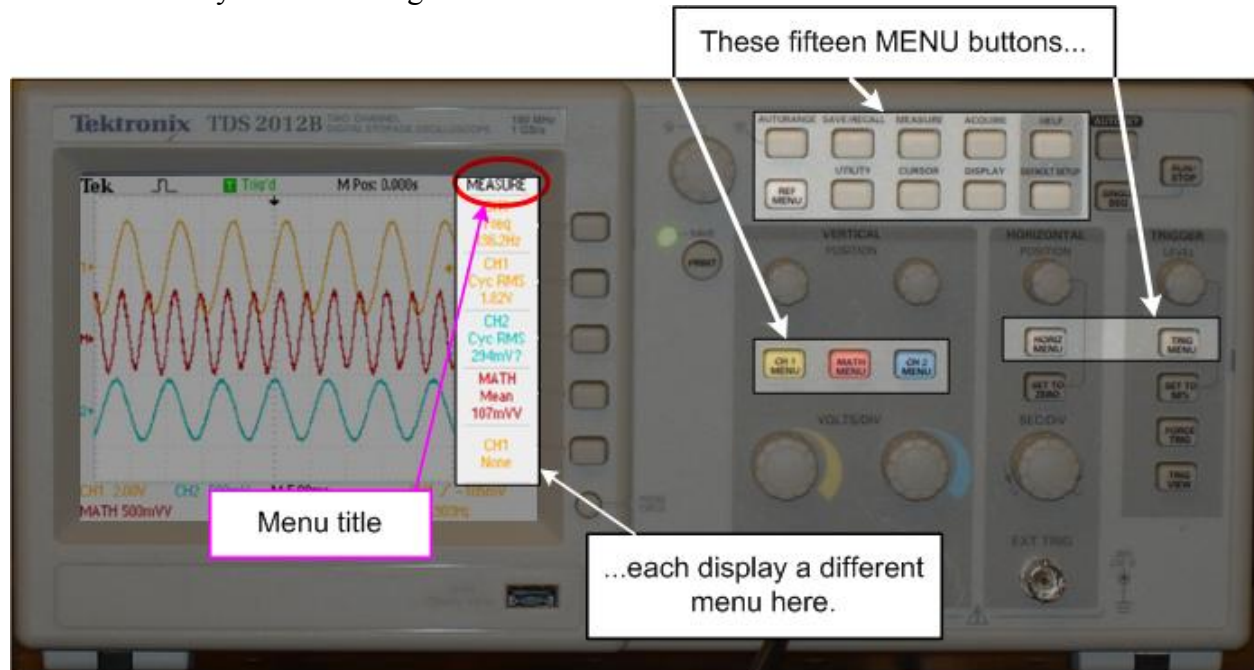
vertical scale (per division) for each channel

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.)

| | | |
|--|---|---|
| | <p>Five control buttons are located just to the right of the display. If you want to change a menu item, press its control button.</p> | <p>Multipurpose knob: Use when menu prompt you to adjust values.</p> <p>PRINT button: sends output to a printer or USB flash drive, depending on the settings in the SAVE/RECALL menu.</p> |
|--|---|---|

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?

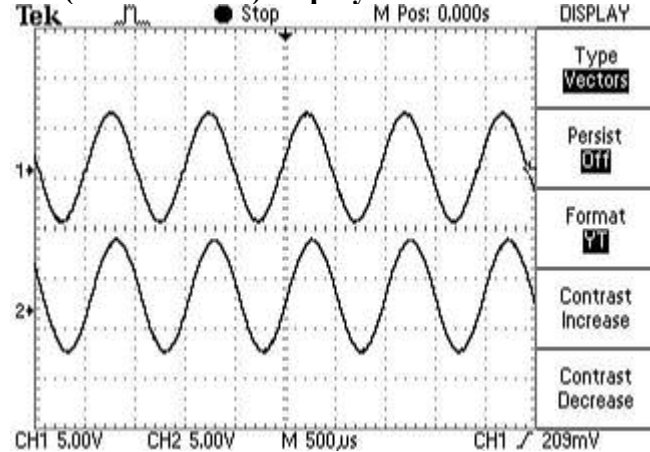
Factory **default settings** are available by pressing the **DEFAULT SETUP** button. Then try **AUTOSET**.

A few more things:

Probe Settings- Some probes attenuate the signal passing through them. Check that the oscilloscope setting matches your probes.

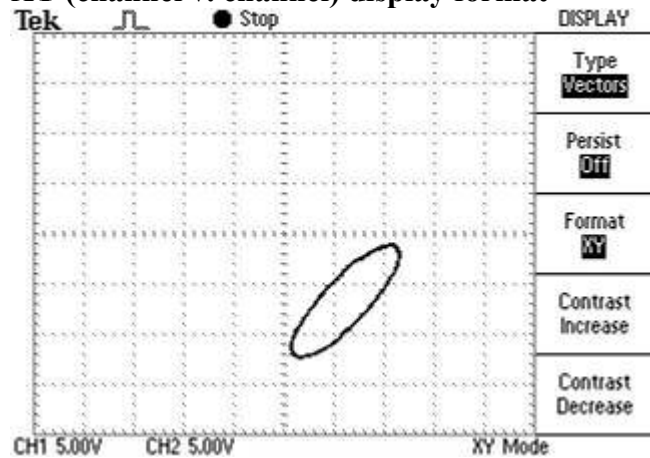
CH 1 MENU (or **CH 2** MENU)
→ Probe (cycle through choices)

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.