

Teledyne LeCroy HDO6054 Oscilloscope

This scope is a computer based 4 channel touch screen instrument. Four Channels may be plotted on 1 to 4 grids.

Turn the scope on and wait for it to boot. A typical use would have the input to an amplifier on Ch1 and the output on Ch2. If this is the case press Default Setup. Press Auto Setup which takes two button pushes on the touch screen. (Alternatively, a mouse may be used.) Normally displays are more stable when triggered off the larger channel which would be the output of the amplifier. Press the hard button called Setup under the Trigger section and select Ch2 if desired. For the trigger coupling Hi Freq Reject is probably the best choice.

To print the display the lab PC must be used. Log onto the PC. If a program called Signal Express from LabVIEW starts close it. Start the program called WaveStudio which should be on the desktop. The next few steps hopefully will only need to be done once. On the scope press the Utilities soft key at the top of the screen. Press Utilities Setup. On the Display that appears on the bottom of the screen press Remote. Select Control from USB. On the computer program WaveStudio click Add Scope and select USB and then OK when it finds the USB address of the scope. It should say the scope is Alive on the My Scope Explorer on the left.

Click Display Capture on WaveStudio. Click Close on the Remote Control Assistant so that the waveforms take up most of the screen. Check the Print Colors box on the pc screen. Click Add Annotation, put your name in the box for the text and select a font large enough to be easily read. Place it on the display where there is no waveform. Finally, click copy to the Clipboard or Save to a File.

If the Auto Refresh box is checked on WaveStudio it will track the changes made on the scope.