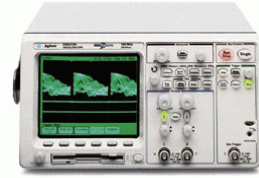
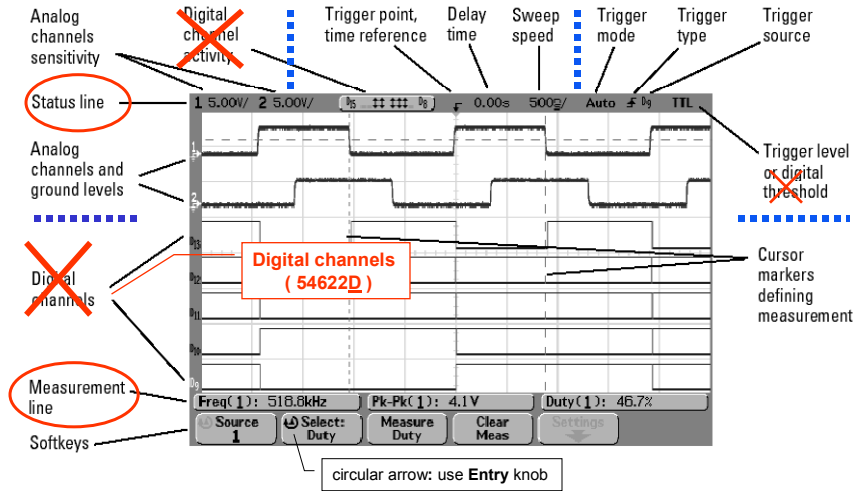


54622A portable Oscilloscope (MegaZoom):

2 ch, 100 MHz; max 200 Msa/s, max 2 MB/ch
 HiDef display, flexible Trig; autoMeas, 2K FFT
 floppy disk, **GPIB**, IntuiLink



Interpreting the Display



Waveform (press **Acquire** hardkey)

Acquire Menu

Normal Peak Det Averaging Avgs 6 Realtime

1 ms/DIV or slower
(10 ms/5 ns = 2M)

#AVG	resolution
1	8
4	9
16	10
64	11
256	12

(@ stable TRIG, up to 16K #AVG)

#AVG = 1 HiRes

2 us/DIV	8 bit
5 us/	9 bit
20 us/	10 bit
100 us/	11 bit
500 us/	12 bit

OS: oversampling & DF: decimation filter

2 us/Div or faster*
(20 us/5 ns = 4K), with reduced BW (200MSPS/4= 50MHz)
(@ one TRIG event, SINC interpolation)
* or infrequent trigger, complex waveform

Waveform (press **Display** hardkey)

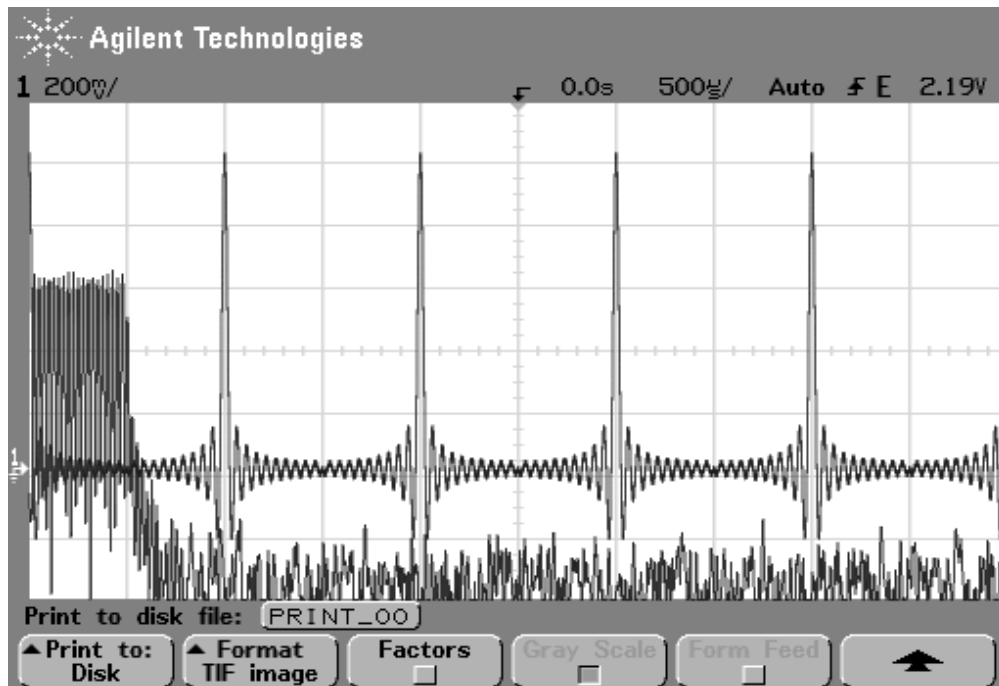
Display Menu

Persist Clear Display Grid 20% Vectors

OFF

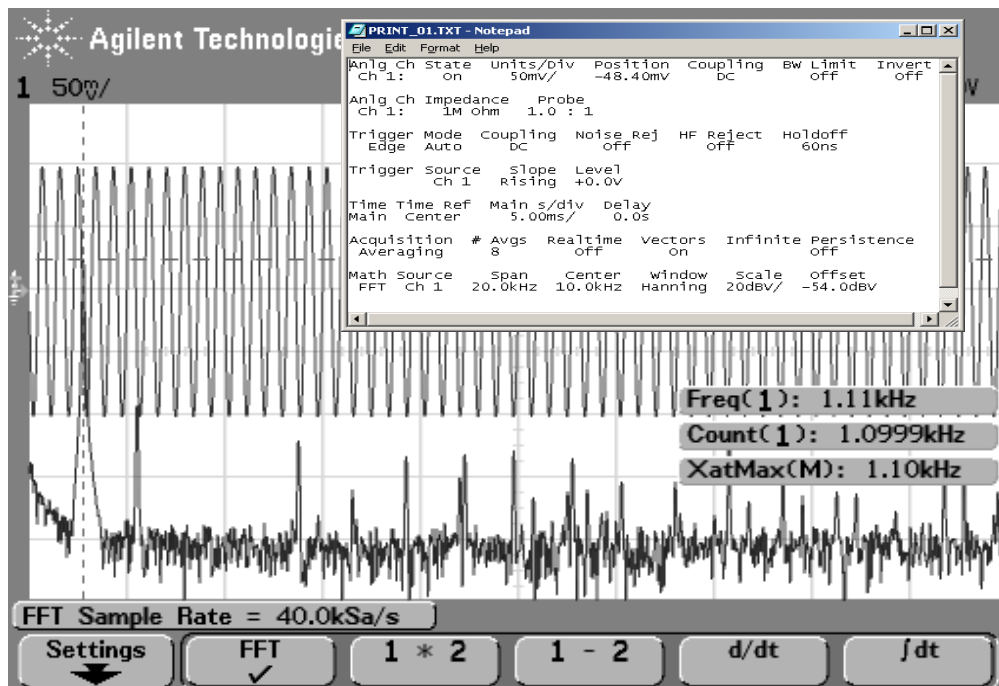
ON ("connect the dot": LIN interpolation)

Quick Print to Floppy disk



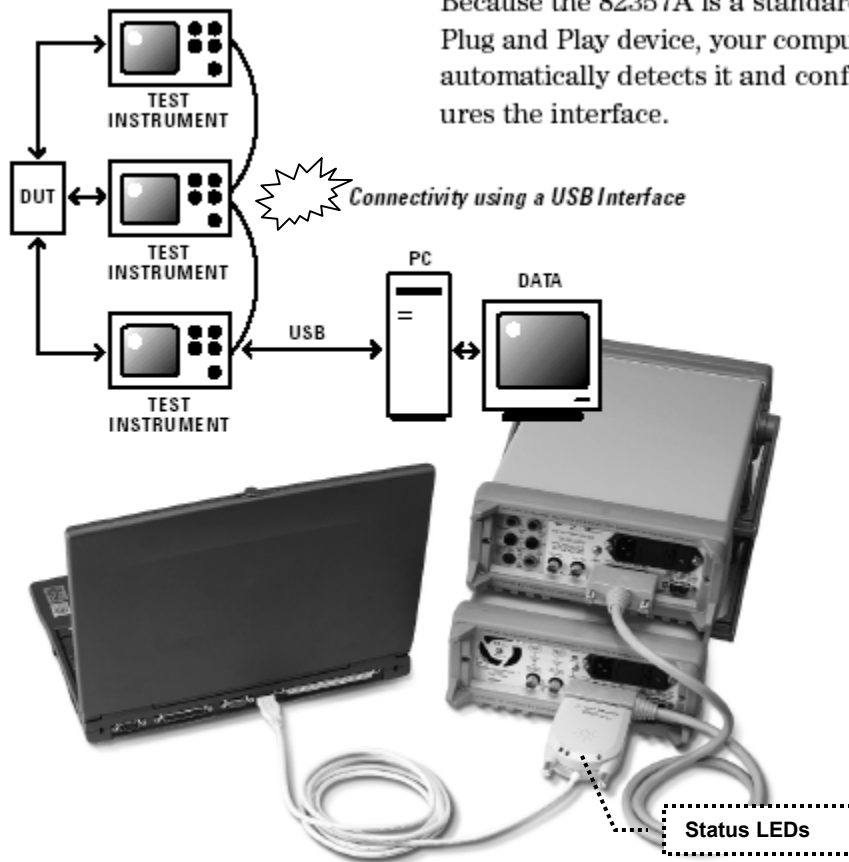
Example: Frequency Measurement (... and print oscilloscope scale Factors)

- Freq
- Counter (built in 5 digit reciprocal counter)
- Math (FFT)



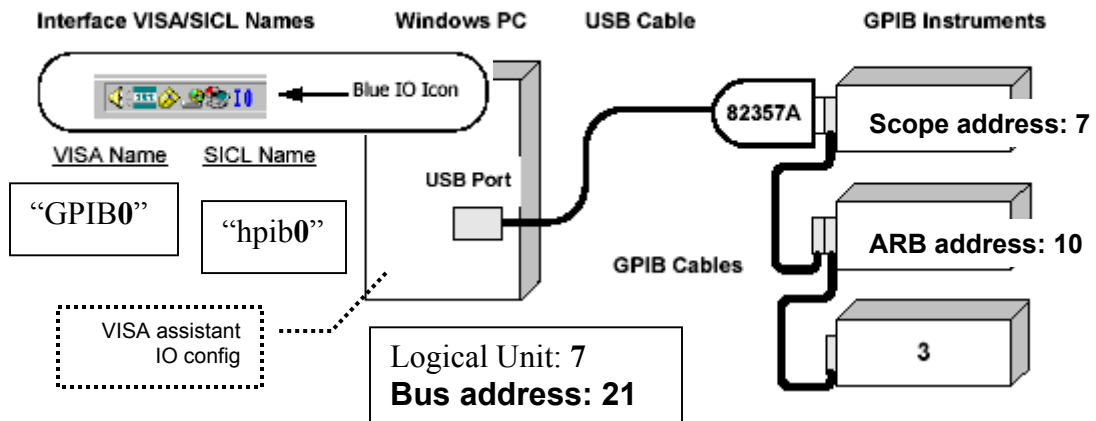
82357A USB/GPIB Interface (and IO Libraries):

Because the 82357A is a standard Plug and Play device, your computer automatically detects it and configures the interface.



Typical System Installation - 82357 USB/GPIB Interface

Accept DEFAULT settings !!

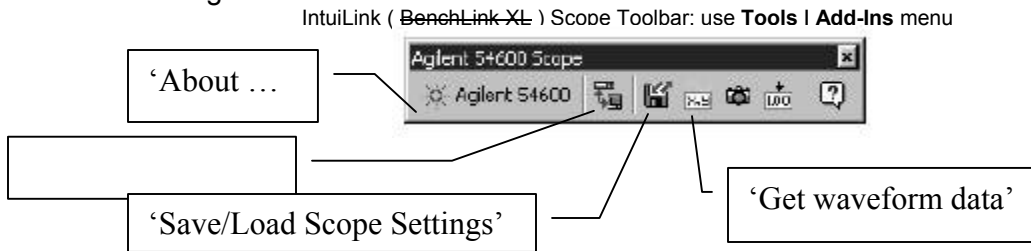


Note: **VISA** = Virtual Instrumentation Software Architecture
SICL = Std Instrument Control Library

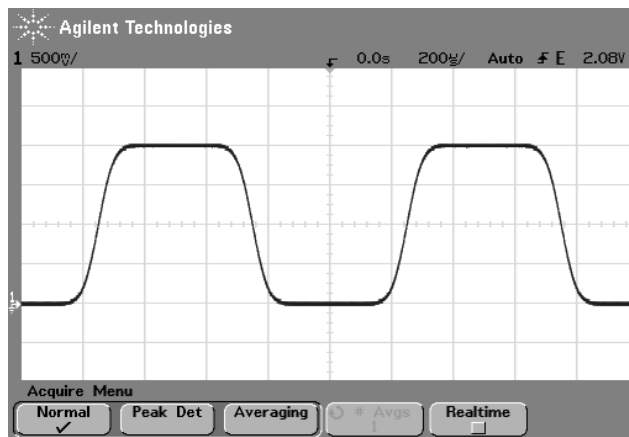
After the 82357A is successfully installed and configured, the interface should act as a **transparent** interface for programming GPIB instruments.

IntuiLink connectivity software:

PC application **Toolbar** (Excel, Word)
Data and images



‘Get screen image’:



‘Get single Measurement (All Functions)’:

Volts Average (1) = 1.00 V
Volts RMS (1) = 1.35 V
Volts Peak-to-Peak (1) = 2.05 V
Volts Max (1) = 2.03 V
Volts Min (1) = -19.00 mV
Rise Time (1) = 94.00 us
Fall Time (1) = 94.00 us
Pos Pulse Width (1) = 502.00 us
Neg Pulse Width (1) = 498.00 us
Period (1) = 1.00 ms
Frequency (1) = 1.00 kHz
Duty Cycle (1) = 50.20 %

+++++
további info-k:

www.hit.bme.hu/people/papay/edu/Lab/Tools.htm