FAST(?){i}

The FAST command sets the fast data transfer mode on and off. The parameter i selects:

i=0: Off
i=1: On (DOS programs or other dedicated data collection computers)
i=2: On (Windows Operating System Programs)

When the fast transfer mode is on, whenever data is sampled (duri8ng a scan), the values of X and Y are automatically transmitted over the GPIB interface (this mode is not available over RS232). The sample rate sets the frequency of the data transfers. It is important that the receiving interface be able to keep up with the transfers.

To use the FAST2 mode, a ROM version of 1.08 or higher is required in the SR850. If you need a ROM upgrade, please contact Stanford Research Systems. The FAST2 version uses the lock-in transmit queue to buffer the GPIB data being sent to the host. Since the transmit queue can buffer a maximum of 63 X and Y data pairs, the host casn only be diverted for short periods of time (e.g. 120mS at 512Hz sample rate) without causing the lock-in to "time out" and abort the FAST mode data transfer.

SNAP?i,j{k,l,m,n}   6-23   Records the values of 2, 3, 4, 5, or 6 parameters at a single instant in time.