

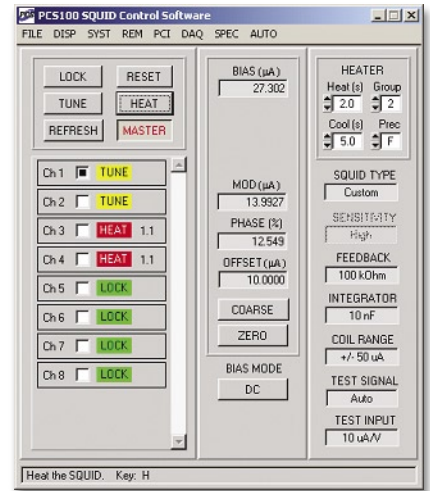
PCS100 Control Software with Remote Control

Now you can control your pcSQUID™ system remotely via the Internet!

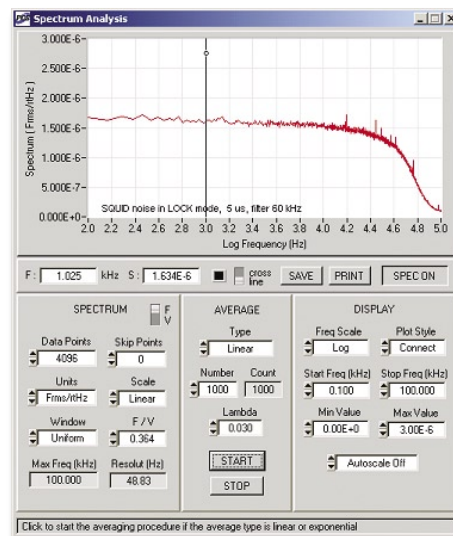
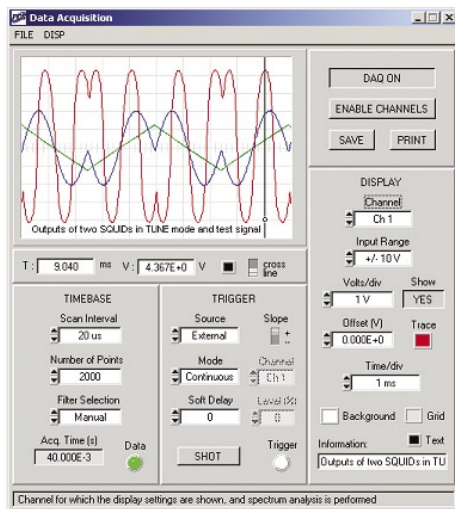
PCS100DA Control Software with Data Acquisition and Remote Control

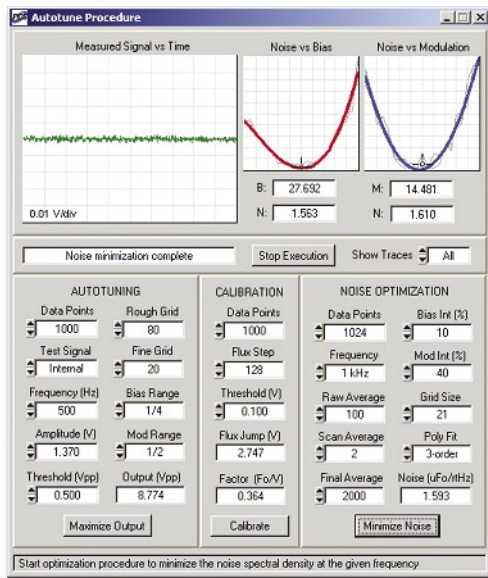
Compatible with National Instruments 16-bit E-Series DAQ boards and PCMCIA cards, featuring up to 333 kS/s sampling rates!

The new PCS100 Control Software for STAR Cryoelectronics' Programmable Feedback Loop Model PFL-100 and PC Interface Models PCI-100 and PCI-1000 includes several new features to enhance and simplify system set up and operation. Use the new MASTER mode to configure multiple SQUID Channels simultaneously or to heat groups of several Channels at the same time. Heater Heat and Cool times are now configurable with 0.1 second resolution to precisely control heater power. Multiple user initialization files simplify set up for different sensors and user applications. With the AC Bias Mode, bias frequencies of 128 kHz, 64 kHz, and 2 kHz are now standard.

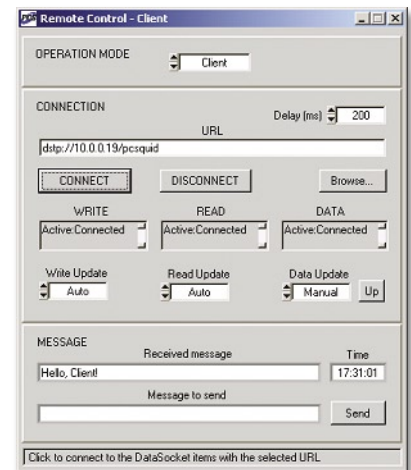
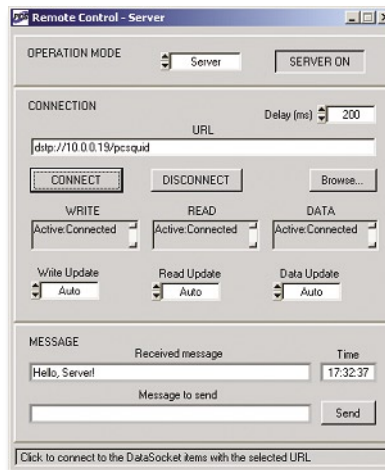


The new PCS100DA Control Software with Data Acquisition is compatible with all 16-bit E-Series DAQ devices from National Instruments. Use the Data Acquisition module like a virtual oscilloscope to record, save and print data for up to eight channels. Use the Spectrum Analysis module like a virtual spectrum analyzer to compute, view, save, and print a noise power spectrum of the SQUID output signal. The Spectrum Analysis module includes many of the same features found in expensive stand-alone spectrum analyzers.





The powerful Data Acquisition and Spectrum Analysis tools enable automatic tuning and calibration of each SQUID Channel for optimal performance, quickly and reliably, without the need for an external oscilloscope, multimeter, and spectrum analyzer.



The Remote Control module allows remote operation via a local network or the Internet using National Instruments DataSocket Transfer Protocol (DSTP). The PC running PCS100 or PCS100DA that directly controls the hardware, including all PFL-100 Channels, PC Interfaces, DAQ device, and computer port connected to the master PCI unit, acts as the Server for a remote Client PC also running PCS100 or PCS100DA. The Client essentially functions as a remote user interface for the Server, enabling complete control of the SQUID system. With PCS100DA recorded data may be transferred directly from the Server to the Client PC.

Upgrade your pcSQUID™ software today!

Standard version PCS100 Control Software with Remote Control: \$195.

Full version PCS100DA Control Software with Data Acquisition and Remote Control: \$595.

Hardware requirements: STAR Cryoelectronics' Model PFL-100 and PCI-1000 or PCI-100

Operating system requirements: Microsoft Windows™ XP, 2000, 9x, NT.