

5.2 Starting a Remote Control Session

The instrument and the controller have to be connected with the suitable cable and switched on.

A remote control program must open a connection to the instrument (using VISA functionality), before it can send commands to and receive device responses from the instrument.



Instrument Address

In order to operate the instrument via remote control it must be addressed using the defined interface address. See [Chapter 5.1.3, "LAN Interface"](#), on page 242, [Chapter 5.1.4, "USB Interface"](#), on page 245, [Chapter 5.1.5, "Serial Interface"](#), on page 246, [Chapter 5.1.6, "GPIB Interface \(IEC/IEEE Bus Interface\)"](#), on page 246 or [Chapter 5.1.7, "LXI Browser Interface"](#), on page 248 for details.

The VISA resource strings are indicated in the "Setup > Remote Channel Settings" menu.



Securing the display

To prevent unauthorized personnel from reading the display, you can disable the frequency and level display explicitly. This is useful when you remotely control the instrument from a different location.

For information on how to disable the frequency and level display, refer to ["Annotation Frequency"](#) on page 119 and ["Annotation Amplitude"](#) on page 119.

Refer to [Chapter 5.2.3, "Examples"](#), on page 250 for practical examples on setting up of a remote control link and starting of a remote control session.

5.2.1 Switching to Remote Control

After switching on, the instrument is usually in the local state and can be operated via the front panel controls (for instruments equipped with a display), a mouse and an external keyboard.

Starting remote control

1. Send a command from a controller to the instrument.

The instrument changes to remote state as soon as it receives the command from the controller.

Note: If you have sent `&NREN` before, the automatic transition from local state to manual control by a subsequent remote command is disabled (use `>R` to enable it again).

In remote state, operation via the front panel or via mouse and keyboard is disabled. The status line indicates the "REMOTE" state.