

## 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 `&GTR` 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.