

Introduction

The Brontes colorimeter is a USBTMC compliant device, which makes it possible to use it directly with NI-VISA (<http://www.ni.com/visa>). NI-VISA includes a VISA server, which makes it possible to access a VISA compliant device via a network.

Necessary items

The following items are necessary to get the Brontes working via a network.

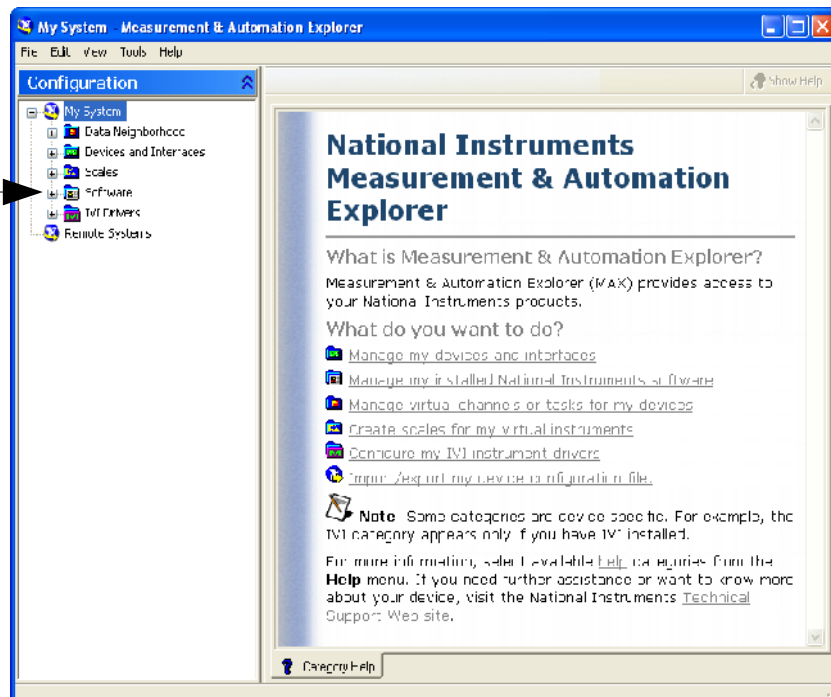
- PC working as VISA server
- Client PC.
- Brontes Colorimeter
- Brontes application software

NI-VISA server configuration

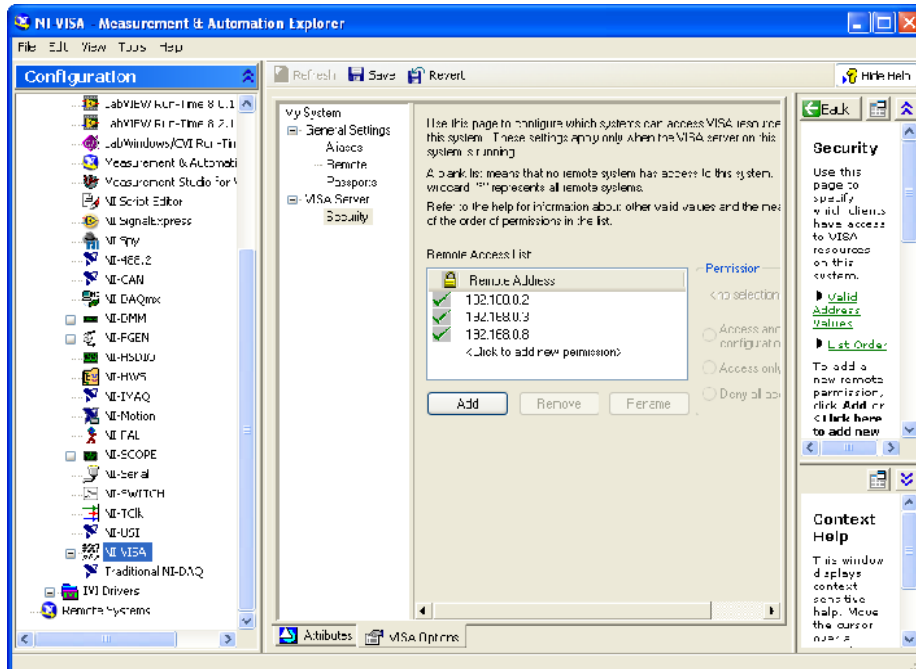
Connect the Brontes colorimeter to the PC that will function as a VISA server.

Start the Measurement & Automation explorer on this machine and configure the server to allow clients within your network to connect.

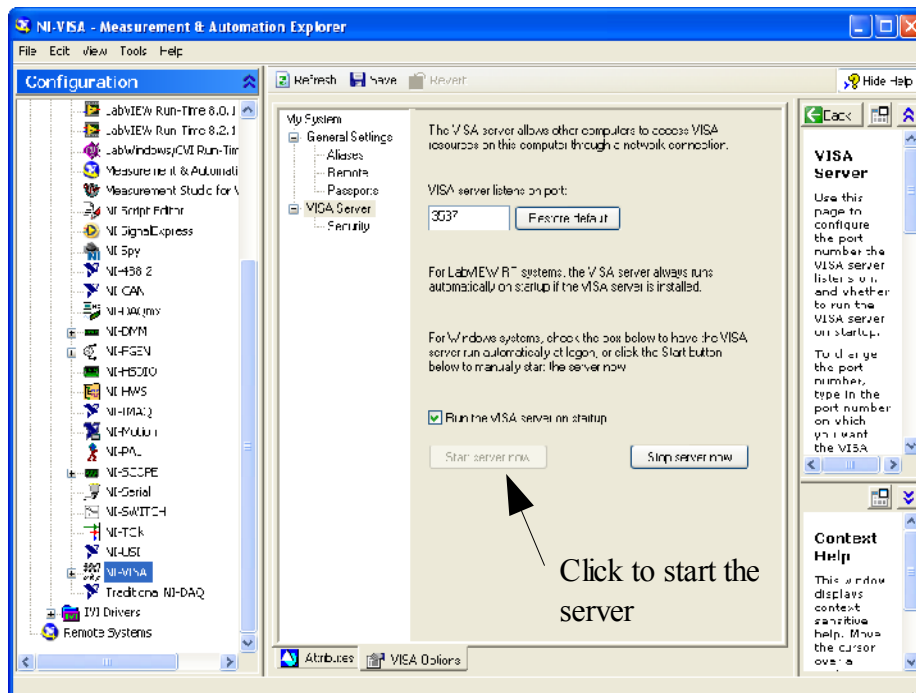
Select Software and
chose NI-VISA



Select the “security” tab and add the client PC’s IP addresses to the remote access list.

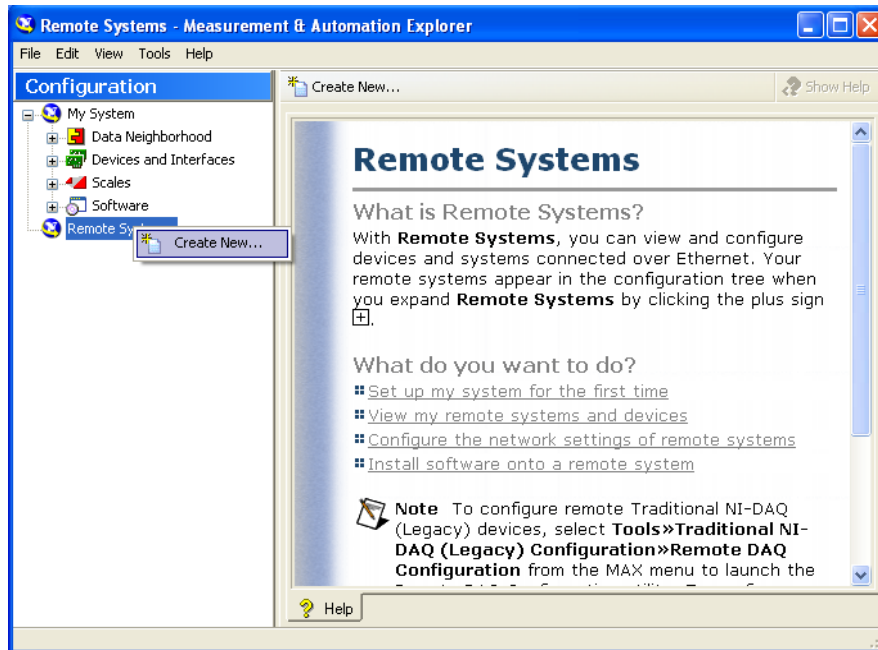


Go to the “VISA Server” tab and start the server.

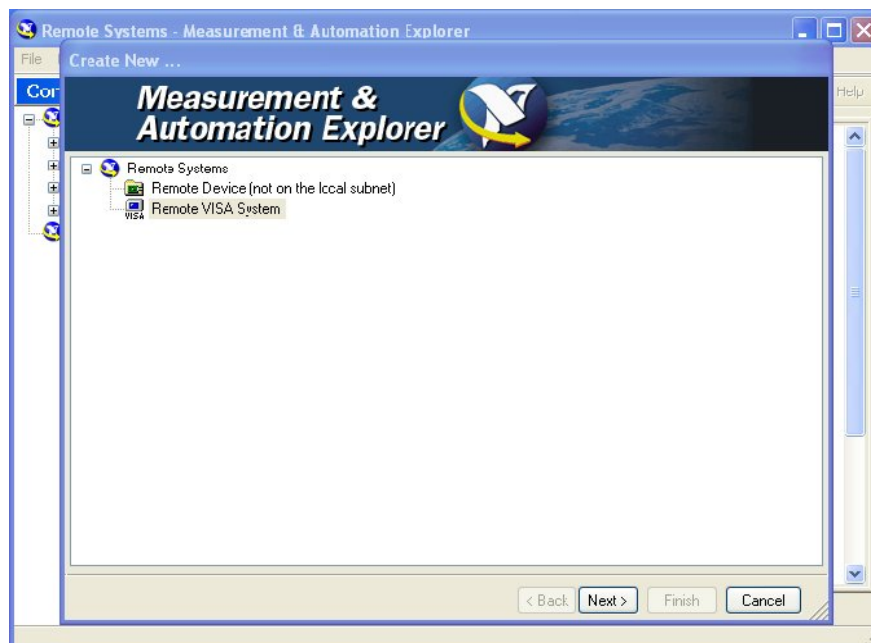


Client PC configuration

On the client PC, start the Measurement & Automation explorer and click with the right mouse button on "Remote systems" and select "Create new".



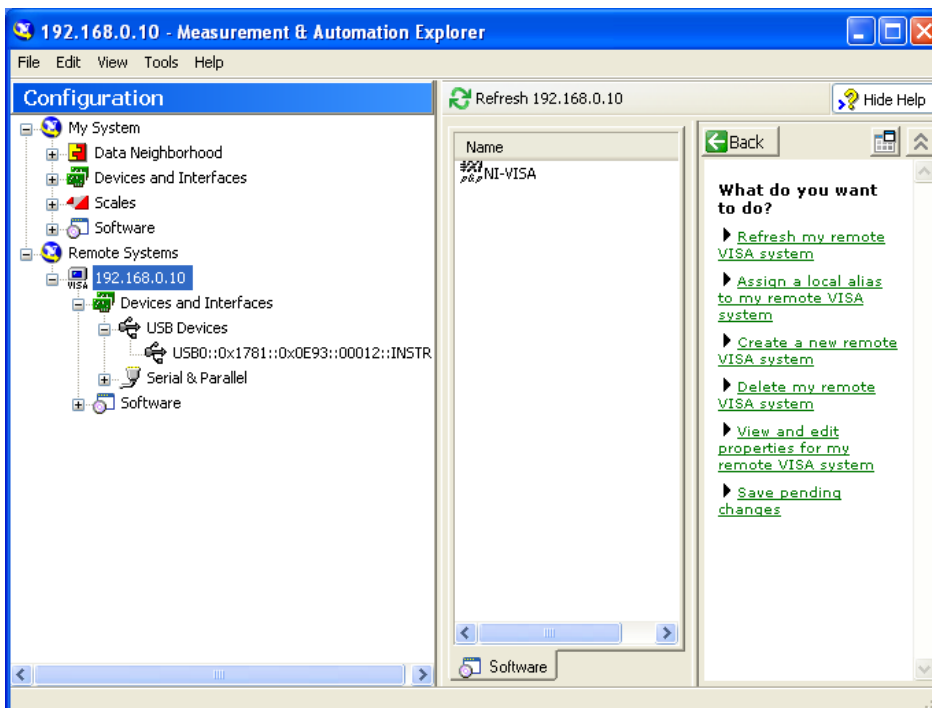
Select "Remote VISA System" :



Enter the name or IP address of the VISA server you just configured.



After adding the system, you should be able to detect the Brontes colorimeter attached to the remote system.





When starting the Brontes application software on your client PC, it should use the Brontes attached to the remote system in case you have no Brontes attached to the client machine.

Troubleshooting

In case it's not possible to connect to the remote system, the most likely cause is a firewall which blocks access to the remote system. Make sure the remote system firewall has an open connection to the VISA server port which is configured in the Measurement & Automation explorer (default port is 3537).

In case you are connection via a router, you may need to apply port forwarding from the router to the remote system you are trying to connect to.