



RESTAN

SYSTEM FOR MEASURING RESIDUAL STRESS
BY THE HOLE-DRILLING METHOD

SOFTWARE INSTALLATION MANUAL

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1. Software on “HBM Spider 8 assistant” installation

Insert HBM Spider 8 Assistant in your CD device.

1.1. *HBM Spider 8 assistant*

- Search and open HBM Spider 8 assistant folder in HBM Spider 8 assistant CD.
- Run “Setup.exe”.
- Select your languages
- Install “HBM Spider 8 assistant”.

2. Software on “RSM Software CD” installation

Insert RSM Software CD in your CD device.

2.1. SmartKey driver installation

- Insert the USB Smart Key in the USB port.
- Search the driver in the CD device.
- Complete the Smart Key installation.

2.2. USB to Serial Converter

- Insert the USB to Serial converter in the USB port.
- Search the driver in the CD device.
- Complete the USB to Serial converter installation.

2.3. Ni-DAQ software

- Search and open Ni-DAQ_693 folder in RSM Software CD.
- Run “Setup.exe”.
- Click on “Weiter”.
- Accept the agreement.
- Select and install all the Add-ons.
- Complete the installation and click on “Beenden”.
- Restart your system

2.4. Install SINT RSM software

- Search and open SINT RSM_530 folder in RSM Software CD.
- Run “Setup.exe”.
- Install the program in C:\Sint_RSM.
- Restart your system.
- Run “RSM_5.3.0”
- Insert the Pitch showed on Calibration Certificate MOD 07 26.

3. Run SINT RSM software

After you have complete the installation step show in the chapter 1 and 2, you must set the windows general setting.

3.1. Port COM setting

- Insert the USB to Serial Converter in the Electronic device serial cable and after this insert it in the USB port.
- Connect the HBM Spider 8.30 to your PC.



WARNING: If you want to connect the HBM Spider 8.30 to your PC by serial cable, you must use the USB to Serial Converter for Spider 8.30 serial cable and connect the Electronic device serial cable directly on your PC serial port.

- Run “Control panel – System – Hardware - Device Manager”.
- Select “Port COM and LPT”.
- Select the Electronic device port (COM1, COM2 and so on).
- Select “Port setting - Advanced”.
- Select COM1 as port number.



WARNING: Also if you want to connect Electronic device serial cable directly on your PC serial port, you must set the serial port as COM1.

- Repeat the last five steps for HBM Spider 8.30 and select COM2 as port port number.
- You are ready for an hole drilling measurement with MTS3000 system.