

PRO-MIC Low Clearance Roll Profiling System

Operator Instruction Summary

Steps to measure a roll:

Step 1:

Start the PRO-MIC by pressing Start/Stop.

Disconnect the W1-G Cable from the side of the PRO-MIC.

The PRO-MIC operates on battery power for roll profile measuring.



Step 2:

Damage to the measurement probes can be prevented by retracting the measurement probes so that the probes are protected inside the bracket.

This way, the PRO-MIC can be safely placed on the roll.



Step 3:

Carefully place the PRO-MIC on the roll and level using the PRO-MIC saddle mounted bar level.

Leveling is most important to insure that the PRO-MIC is stable when resting on the roll as a fall can damage the PRO-MIC.



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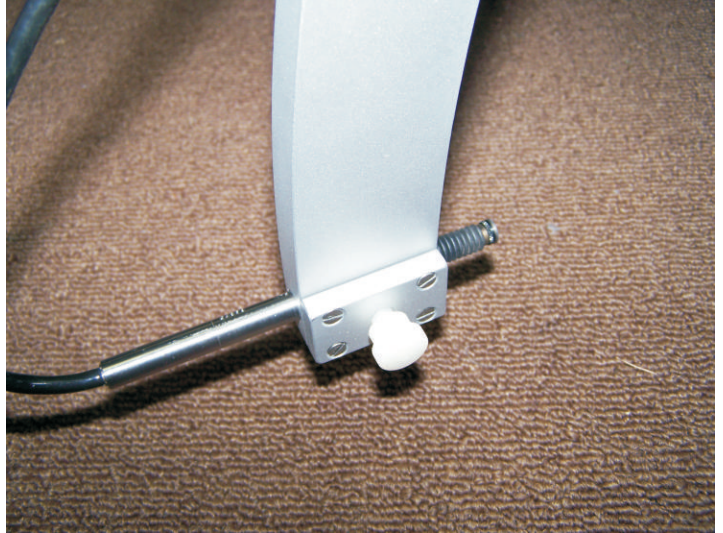
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Step 4:

Adjust the probes so they each contact the roll surface and allow enough measurement movement to measure your roll profile.

Typically, adjust each probe to a readout of within ± 0.040 " / ± 1.00 mm.

Secure each probe with the nylon locking thumbscrew.



Step 5:

Carefully roll the PRO-MIC to the starting position at the left end of the roll body.

Take care not to roll the PRO-MIC off the end of the roll.

Your facility should determine a standard starting distance from the roll edge so that all measurements are consistent.



Step 6:

To begin the measurement, press the Start/Stop button on the PRO-MIC.

If "Overwrite Data?" is seen,

Press Start/Stop to replace the profile already in the PRO-MIC memory



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Step 7:

Carefully roll the PRO-MIC from left to right along the roll body.

Note: If the probes are disturbed during the measurement, the profile may be affected.

The frame cross-structure is the best place to touch the PRO-MIC to move it down the roll.



Step 8:

To end the measurement, press the Start/Stop button on the PRO-MIC.

Your facility should determine a standard stopping distance from the roll edge so that all measurements are consistent.

The profile measurement is now complete!



Step 9:

With the PRO-MIC still on the roll, the profile parameters (Taper Crown Maximum Minimum) may be viewed.

Press the View button to cycle through the values!



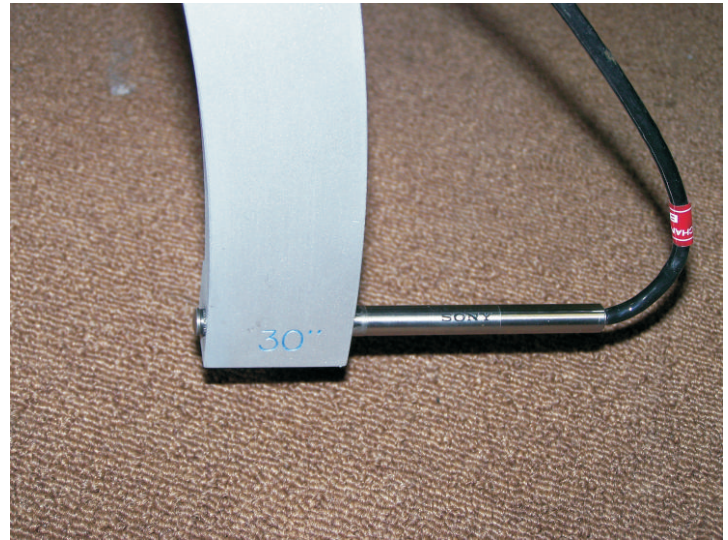
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Step 10:

Damage to the probes can be prevented by retracting the probes so that the measurement probes are protected inside the bracket.

This way, the PRO-MIC can be safely removed from the roll.



Step 11:

Depending on your system operation select one of the following:

Direct to Printer:

Carefully remove the PRO-MIC from the roll and return to the Charger/Interface location for printing of profile report.

PC Software:

Bluetooth - Use PRO-MIC Visual Quantum Software to transfer data to your PC.

Non-Bluetooth - Connect the PRO-MIC to the supplied laptop PC for data transfer to the computer.



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To Transfer Data to PRO-MIC PC Software:

Step 1:

Configuration 1:

Configuration 1 uses pre-installed Bluetooth wireless communication between the supplied Netbook PC and the Bluetooth equipped PRO-MIC. Your new PRO-MIC is setup to function this way.

The cable connection from the Charger/Interface is only used for charging.



Configuration 2:

Using the via Charger/Interface configuration:

Connect the W1-G cable to the PRO-MIC Electronics.

This connection will charge the PRO-MIC battery and allow the data to be transferred to the PC.



Configuration 3:

Using the Direct to PC setup:

Connect the W1-D cable (w/USB converter) to the PRO-MIC.

Important Note: The PRO-MIC must eventually be connected to the Charger/Interface to maintain the battery's charge. Whenever the PRO-MIC is not in use, it should be connected to the charger/interface.



Step 2:

For either of the above connections:

Start the PRO-MIC visual Quantum software package.

Click the **ADD NEW RECORD** button to create a bland profile record in the database. Then, Click **READ PRO-MIC** to transfer the measurement to the PC and display the profile.

Please see the Visual Quantum Operating instructions for more detailed information about the operation of the software and it's many

