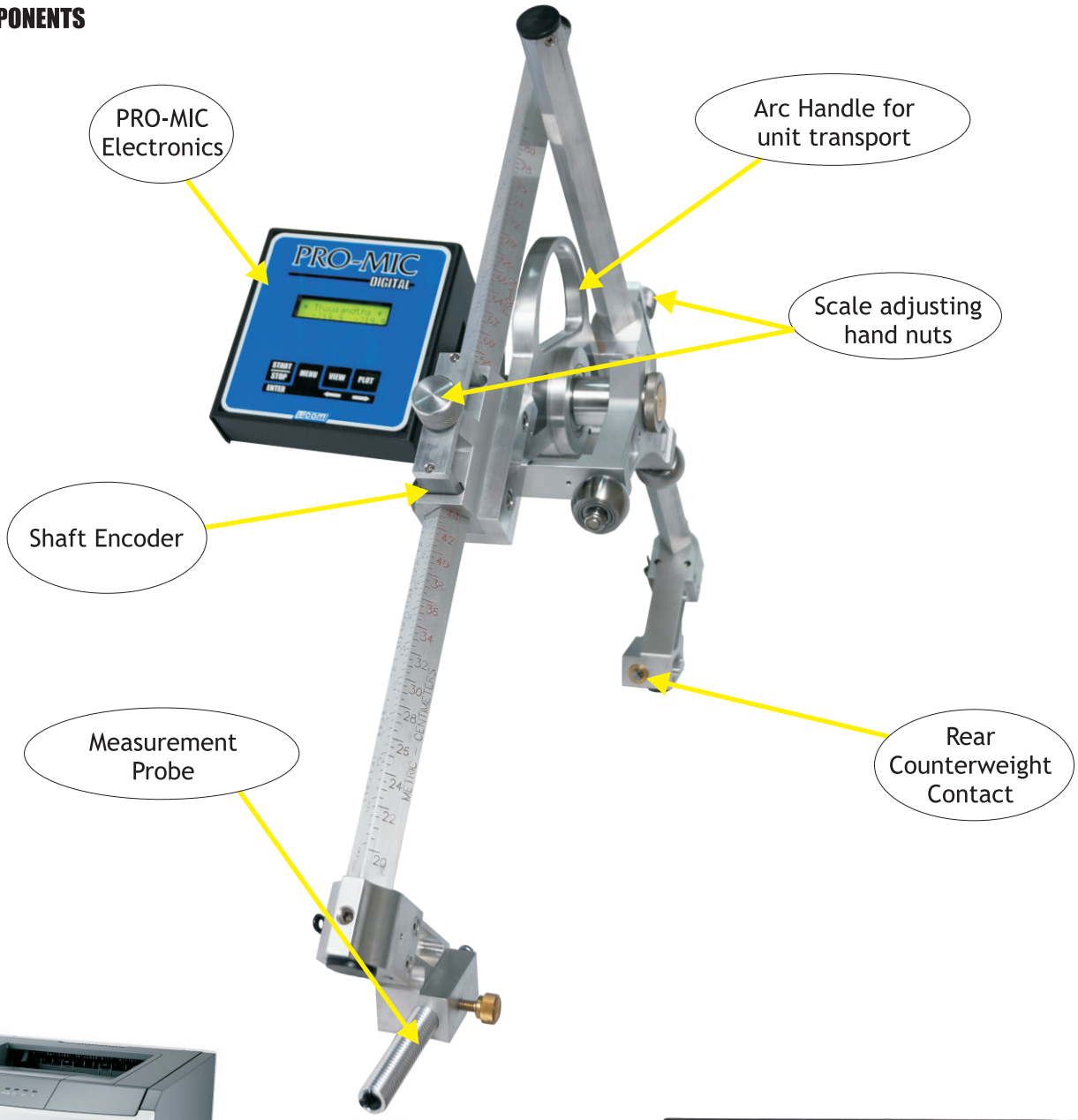
PRO-MIC Lightweight Roll Profiling System

Operator Instruction Summary

SYSTEM COMPONENTS



PRO-MIC System Printer

Surge Protector

PRO-MIC Charger/Interface
(Details on Page 4)

Printer Cable

Charger/Interface Power Cable

W3-B Cable

W1-G Cable

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Step 1:

Start the PRO-MIC by pressing Start/Stop.

Adjust the PRO-MIC Scales (2) by loosening the small brass/aluminum hand nuts and sliding the scales up or down to match the actual roll diameter.

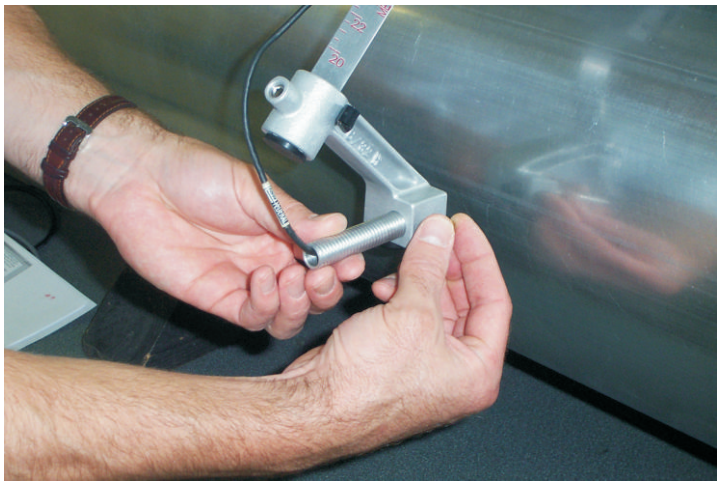
Align the scale markings (either cm or inch) with the front edge of the crossarm.

Generally, if an approximation is made between two marks, the setting is accurate enough.

Step 2:

Damage to the measurement probes can be prevented by retracting the PRO-SET Probe holders 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.

Measurements can be influenced if the PRO-MIC slips steeply off the roll top.

Some level variation can be tolerated

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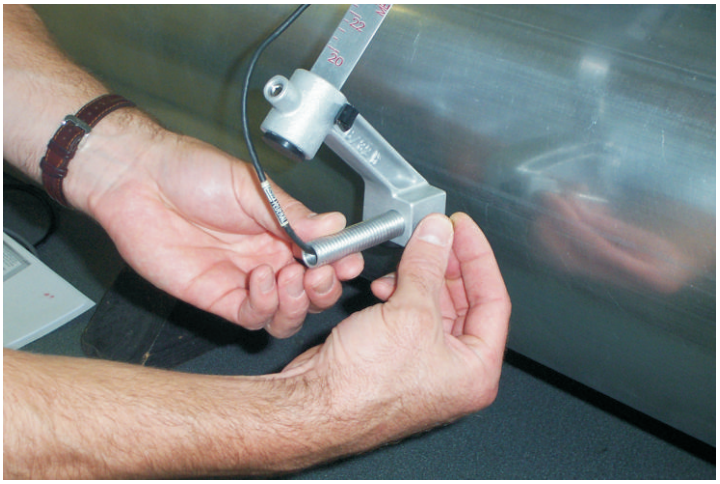
Step 4:

Adjust the probe readout to within +/- 0.015"/+/-0.400mm.
Coarse adjust the PRO-SET probe holders by pushing the aluminum holder towards the roll (over the threads).

Fine adjust by rotating within the PRO-SET threads.1/4 turn is all that should be required.

The probe wire can be damaged by over-twisting!

Secure the PRO-SET locking thumbscrew.

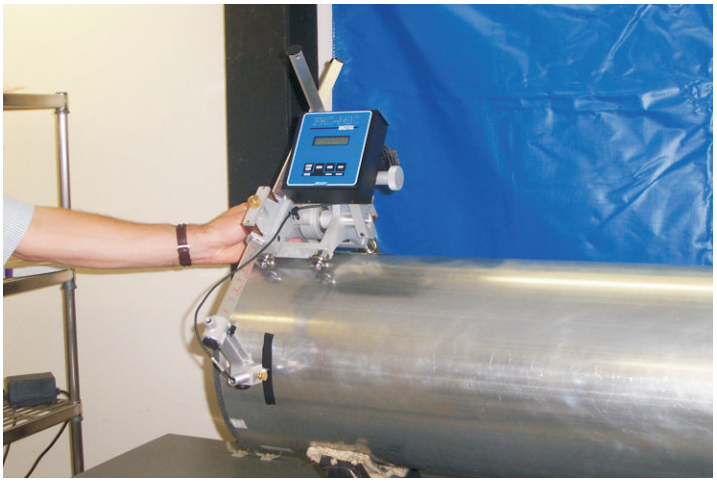


Step 5:

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 shop 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 crossarm assemblies or probes are disturbed during the measurement, the profile may be affected.

Often, the large hand nut or other frame member is the best place to grasp 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 shop should determine a standard stopping distance from the roll edge so that all measurements are consistent.

Step 9:

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

Press the View button to cycle through the values!

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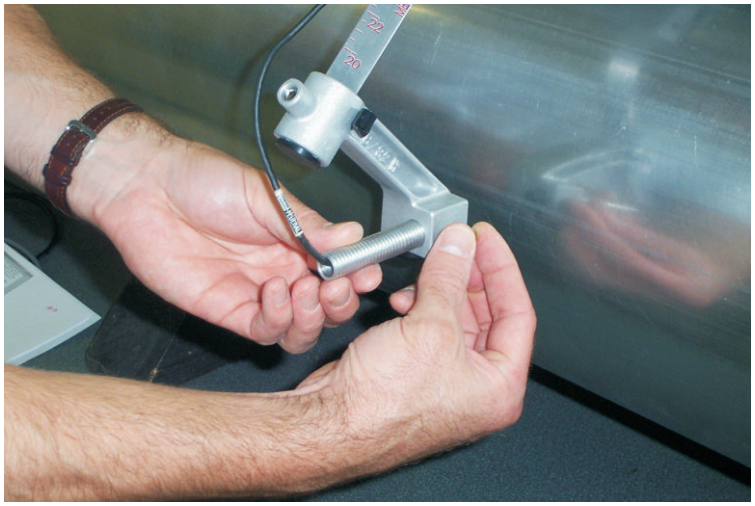
Step 10:

Damage to the probes can be prevented by retracting the PRO-SET probe holders so that the measurement probes are protected inside the bracket.

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



Step11:

Carefully remove the PRO-MIC from the roll and return to the Charger/Interface location.

Step 12:

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

This connection will charge the PRO-MIC battery and allow the roll profile report to be printed.

Except when measuring a roll, the PRO-MIC should be connected to the Charger/Interface at all times.

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Step 13:

Press the Plot button on the PRO-MIC.

Step 14:

The printer prepares the report.

Note:

If the PRO-MIC Visual Quantum software package is to be used, following the connection of the W1-G cable in Step 12, the PC software would be used to download, view, store and recall the measurement.

Another Good Roll!

PRO-MIC Lightweight Roll Profiling System

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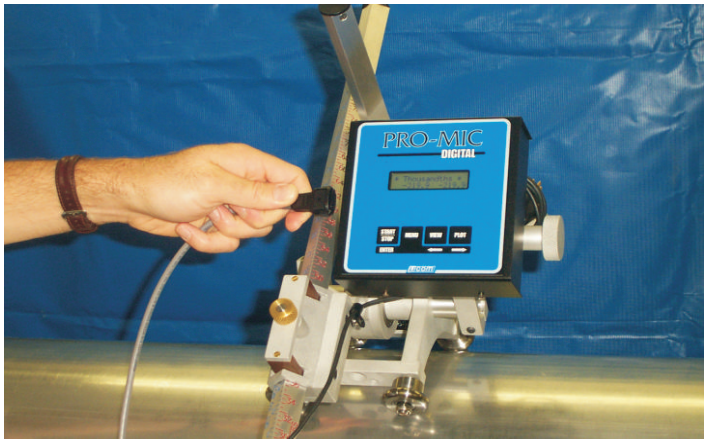
To Print Profile Report from PRO-MIC:

Step 1:

For direct to printer use, connect the W1-G cable to the PRO-MIC Electronics.

This connection will charge the PRO-MIC battery and allow the roll profile report to be printed.

Except when measuring a roll, the PRO-MIC should be connected to the Charger/Interface at all times.



Step 2:

Press the Plot button on the PRO-MIC.

Step 3:

The supplied printer prepares the report on the supplied Roll Profile Report forms.

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To Transfer Data to PRO-MIC PC Software:

Step 1:

Configuration 1:

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.

Note
* Photo shows special low clearance PRO-MIC Design.
* Customer Supplied PC Hardware.

Configuration 2:

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 QUICK READ button to transfer the Profile data to the PC.

Please see the Visual Quantum V6.3 Operating instructions for more detailed information about the operation of the software and it's many features.