



Analytical Windscreen



Circular Windscreen

WINDSCREEN Installation Instructions

For
ZETA SERIES BALANCES
and
SERIES 12000 BALANCES

INSTALLATION INSTRUCTIONS

ANALYTICAL WINDSCREEN (PN 5000-61)

For ZETA SERIES BALANCES

Analytical windscreens may be installed on any Scientech micro (ZSM), analytical (ZSA), precision balance (ZSP) or laboratory balance (ZSL).

1. Disconnect electrical power from the balance.



Figure 1. Balance Case Top

2. Gently remove weighing pan from post by pulling pan up from balance top surface.
Warning: Do not bump pan sideways. It may damage balance sensor.

3. Using #2 Phillips screwdriver, remove 4 screws holding labyrinth. Note: Larger inner diameter hole of labyrinth located at 12 o'clock.

4. With the weighing pan and labyrinth removed the balance case top will look like Figure 2.



Figure 2. Case Top without Labyrinth

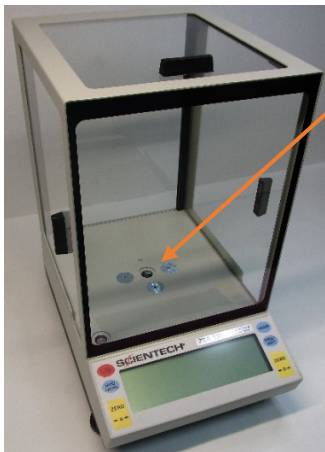


Figure 3. Windscreen Aligned on Case Top

5. Install windscreen on balance case top, clearing the pan post when placing windscreen on case top. Note: Do not bump post sideways with windscreen. It will damage sensor.

6. Reinstall labyrinth with larger diameter hole in labyrinth located at 12 o'clock. Align the center hole of labyrinth with the windscreen and case top.

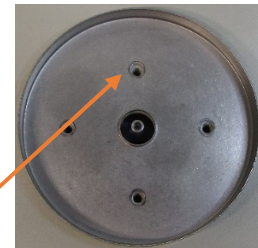


Figure 4. Large Diameter Hole Orientation



Figure 5. Labyrinth Attached to Case Top

7. Evenly hand tighten screws while maintaining alignment of center hole from step 4.

8. Reinstall weighing pan.

9. Connect the balance to electric power and allow to warm up for 5 minutes.



Figure 6. Windscreen Installed

INSTALLATION INSTRUCTIONS

ANALYTICAL WINDSCREEN (PN 5000-61)

For SERIES 12000 BALANCES

Analytical windscreens may be installed on any Scientech analytical (SA), precision balance (SP) or laboratory balance (SL) model numbers SL400, SL600, SL1000, or SL2000 having a weighing pan diameter of ≤ 4.5 inches.

1. Disconnect electrical power from the balance.

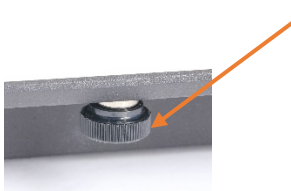


Figure 1. Sensor Lock

2. Lock balance sensor using Figure 1 knob located underneath the frontside of the balance.

4. Gently remove subpan by pulling subpan up out of the case top. **Warning:** Do not bump subpan sideways. It may damage balance sensor.

5. Using #2 Phillips screwdriver, remove 4 screws holding labyrinth. Note: Larger inner diameter hole of



Figure 2. Case Top, Subpan Removed

3. Remove weighing pan from subpan by pulling weighing pan up off the subpan.

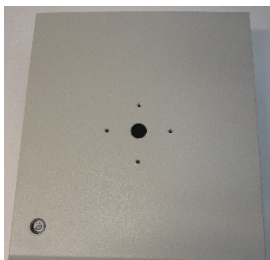


Figure 3. Balance Top without Labyrinth

6. With the weighing pan, subpan and labyrinth removed the balance case top will look like Figure 3.

8. Reinstall labyrinth with larger diameter hole in labyrinth located at 12 o'clock to front of case top located at bottom of Figure 5. Align the center hole of labyrinth with the windscreen and case top.

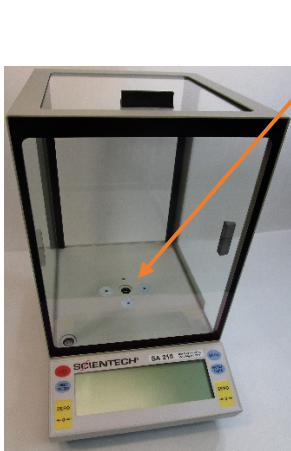


Figure 4. Windscreen Aligned on Case Top

7. Install windscreen on balance case top centering the windscreen center hole with the case top center hole.



Figure 5. Large Hole Orientation



Figure 6. Reattach Labyrinth

9. Evenly hand tighten 4 screws shown in Figure 6 while maintaining alignment of center hole from step 8.

10. Reinstall subpan and weighing pan.

11. Unlock balance sensor.

12. Connect the balance to electric power and allow to warm up for 5 minutes.



Figure 7. Windscreen Installed

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For ZETA SERIES BALANCES

Circular windscreens may be installed on any Scientech micro (ZSM), analytical (ZSA), precision balance (ZSP) or laboratory balance (ZSL).

1. Disconnect electrical power from the balance.



Figure 1. Balance Case Top

2. Gently remove weighing pan from post by pulling pan up from balance top surface. **Warning:** Do not bump pan sideways. It may damage balance sensor.

3. Using #2 Philips screwdriver, remove 4 screws holding labyrinth. Note: Larger inner diameter hole of labyrinth located at 12 o'clock.

4. With the weighing pan and labyrinth removed the balance case top will look like Figure 2.



Figure 2. Case Top without Labyrinth

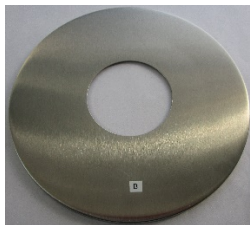


Figure 3. Bottom Disc Labeled "B"

5. Place the bottom windscreen disc labeled with "B" (see Figure 3) on the case top, centering so all 4 screw holes are visible as illustrated in Figure 4.

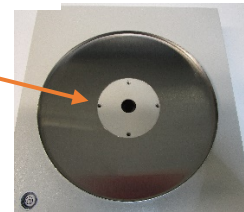


Figure 4. Bottom Disc Centered

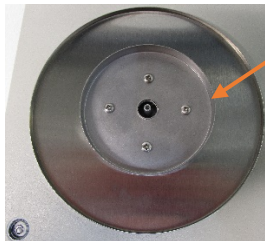


Figure 5. Labyrinth Aligned on Case Top

6. Reinstall labyrinth with over bottom windscreen disc with larger diameter hole in labyrinth located at 12 o'clock. Align the center hole of labyrinth with the windscreen disc and case top.

7. Evenly hand tighten screws while maintaining alignment of center hole from step 6.

8. Reinstall weighing pan.

9. Install glass windscreen with disc top in windscreen bottom disc.

10. Connect the balance to electric power and allow to warm up for 5 minutes.



Figure 6. Windscreen Installed

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Circular windscreens may be installed on any Scientech analytical (SA), precision balance (SP) or laboratory balance (SL) model numbers SL400, SL600, SL1000, or SL2000 having a weighing pan diameter of ≤ 4.5 inches.

1. Disconnect electrical power from the balance.

2. Lock balance sensor using Figure 1 knob located underneath the frontside of the balance.



Figure 1. Sensor Lock

4. Gently remove subpan by pulling subpan up out of the case top. **Warning:** Do not bump subpan sideways. It may damage balance

5. Using #2 Philips screwdriver, remove 4 screws holding labyrinth. Note: Larger inner diameter hole of labyrinth located at 12



3. Remove weighing pan from subpan by pulling weighing pan up off the subpan.

Figure 2. Case Top, Subpan Removed

6. With the weighing pan, subpan and labyrinth removed the balance case top will look like Figure 3.



Figure 3. Case Top without Labyrinth

7. Place the bottom windscreen disc labeled with "B" (see Figure 4) facing down on the balance top surface, centering so all 4 screw holes are visible as illustrated in Figure 5.

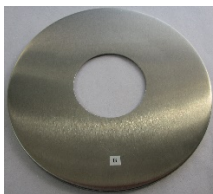


Figure 4. Bottom Disc Labeled "B"

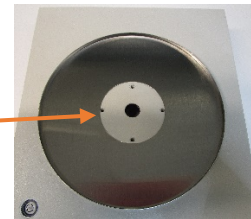


Figure 5. Bottom Disc Centered

8. Reinstall labyrinth with over bottom windscreen disc with larger diameter hole in labyrinth located at 12 o'clock. Align the center hole of labyrinth with the windscreen disc and case top.

9. Evenly, hand tighten screws while maintaining alignment of center hole from step 6.

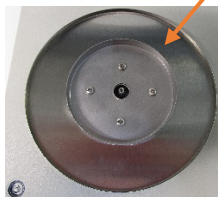


Figure 5. Labyrinth Aligned on Case Top

10. Reinstall weighing pan.

11. Install glass windscreen with disc top in windscreen bottom disc.



Figure 7. Windscreen Installed

12. Connect the balance to electric power and allow to warm up for 5 minutes.