

The FLUTE SAVER

Instructions for Set Up & Use

The FLUTE SAVER is an innovative new approach in caring for your shakuhachi or any other wooden flute. It incorporates a two-way moisture control system that maintains a constant relative humidity (RH) level optimum for musical instruments. Best of all, it does so automatically without guess work or manual adjustments based on interior room conditions, climate, temperature, season, or geographical location. There is absolutely no maintenance or intervention required.

A **Digital Temperature & Humidity Meter** comes with the Flute Saver Kit allowing you to monitor the system and help determine when it is time to put in a new packet. The control packets are designed to last from two to four months. If the soft gel inside a packet becomes hard to the touch, it is time to replace it with a new one.

The **Flute Saver Kit** includes the following components:

- The **Flute Saver Control Packet** that contains the active ingredient allowing it to absorb and release moisture into the atmosphere through micropores in the packet container.
- A **Packet Holder** protects it from damage. It is made of special material that allows ingress and egress of moisture in the ambient environment of a sealed enclosure.



- A **Digital Meter with 3-foot-long wired Probe** that accurately monitors temperature and relative humidity inside the enclosure in which your flute is stored.



- The components of the Flute Saver can be conveniently used in any type of enclosure. It is best to have the container dimensions close in size to that of your flute, as minimizing the volume of air inside will allow the packet to work more efficiently. A hard-shell carrying case, flute bag with built-in vapor barrier, or 3-inch diameter acrylic tube are optimum for this purpose. However, any sealable enclosure that fits your flute will work fine.

Setting Up the Flute Saver

1. Carefully open the envelope containing the Flute Saver Packet. Once exposed to air, the active ingredients inside the packet will begin to work. All packets come in a resealable plastic bag allowing you to store extra packets without activation for later use. Be careful to avoid cutting or damaging the packet as it contains the active ingredients suspended in a gel solution that must remain inside in order to operate properly. The packet walls have invisible micropores permitting air and moisture to penetrate, but keep the gel inside. The active components of the Flute Saver are safe, environmentally friendly, and FDA approved. There are absolutely no health risks associated with this product.
2. Place a packet into the woven black Holder sleeve.
3. Take the digital meter out of its box and install the lithium button battery. The battery housing is located in the back of the meter. To install or replace the battery, use the edge of a small coin (dime) or screwdriver to open the round cover. Rotate it clockwise to open and counterclockwise to lock after setting the battery in place. The meter will begin operating immediately.



4. Set your temperature preference for Centigrade or Fahrenheit by pressing the lowest red button marked C°/F° located on the front of the meter. Once operational, the meter will begin to log both the maximum and minimum readings. To consult the log, press the middle button and cycle through the readings. To clear the log, press the top button.

4. Next, place the Flute Saver packet into the holder and insert it into the enclosure along with your flute. If using a Flute Carrying Case as the enclosure at home, position it horizontally rather than vertically to ensure that moisture inside is distributed evenly along the length of the instrument. If using a Flute Bag with Vapor Barrier on the road, either orientation is fine.

It is very important that the bamboo or wooden surface of the instrument be fully and directly exposed to air inside the enclosure. This will allow the controlled relative humidity of air inside to penetrate into the fibers and cells of your flute at a percentage optimum for musical instruments. It is OK to leave the mouthpiece cover on your shakuhachi.

5. Place the Probe Temperature & Relative Humidity sensor inside the enclosure along with your flute and packet in its holder.

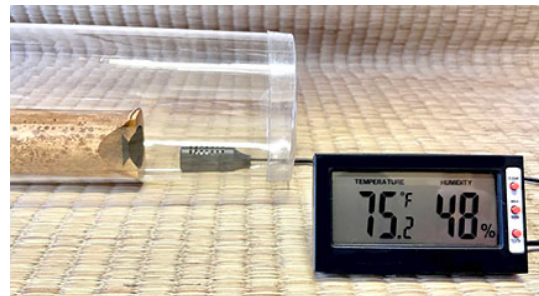
- If using a Flute Carrying Case, close the dual-zipper lid with the probe wire positioned in between the zipper handles.



- If using a flute bag with vapor barrier, fold over and close the top and with the braided cord.



- If using the 3" acrylic tube, a tiny hole is predrilled next to one of the end caps. A slit from the hole to the end of the tube allows the probe wire to be inserted into the tube. Bend either side of the slit in opposite directions, insert the wire into the hole, then close the end cap to seal the enclosure.



Place the digital meter so that it can be read at a glance. The rear of the monitor includes a pull-out stand allowing to sit vertically on a table top.



That's all there is to it. Allow sufficient time for the active ingredients of the Flute Saver to bring the atmosphere inside the sealed enclosure to reach the appropriate relative humidity. The digital monitor will begin operating as soon as the battery is installed and update readings every 10 seconds.