

# HUMIDITY CONTROL *for your guitar*

The single most important thing you can do to protect your guitar is to learn about, and practice, proper instrument humidity control. Humidity control is the best way to keep your instrument playing properly and to prevent damage that can result in costly repairs.



Guitar Humidifier



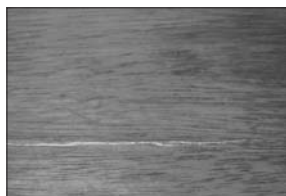
Humidity Temperature Sensor



Frett board cracks



Back cracks



Tip cracks

## HOW DAMAGE IS CAUSED

- Humidity is the level of moisture (water) in the air. All wooden instruments have a humidity level in which they perform best.
- Most wooden instruments are comfortable in a relative humidity (RH) range of 45%-50%. When the level of humidity drops below this level, moisture is pulled from the wood and can result in the wood actually shrinking.
- Guitar tops will start to sink in, neck angles can change, cracks often occur, bridges can lift from the top, and the action will drop, causing buzzing. When the level of humidity exceeds this range, the wood will actually absorb moisture and swell. When the wood swells, glue joints can fail and the neck angle can change.



contd. on back