

Electronic Tuner Box

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This is a vintage electronic tuning device called a Hale Sight-O-Tuner that I bought from the Tuners Supply Co. in 1978. This device was specifically designed and built for tuning inharmonic piano strings. It has a range from C_1 to C_9 , and two pitch selector dials for tuning the frequencies of standard 12-tone equal temperament. Furthermore, a coarse cent dial calibrated in ± 5.0 cent increments over a ± 55.0 ¢ range, and a fine cent dial calibrated in ± 0.5 cent increments over a ± 7.5 ¢ range make it possible to tune all conceivable scales within the indicated 9-octave range.

I also use this device to tune upper modes of vibration, including the first three modes of the [Bass Marimba](#) bars tuned in the range G_1 ($1/1$) 49.0 cps – A_3 ($10/9$) 217.8 cps, and the lowest [Diamond Marimba II](#) bar tuned to G_3 ($1/1$) 196.0 cps.

Furthermore, I used it to tune the five cavity resonators of the Bass Marimba.

Finally, with hacksaw blades, I used it to tune the first seven modes of thin carbon steel bars.

