

# **peterson** AutoStrobe™ 490-ST Stretch Tuner

*Ideal for: Professional Instrument Technicians, Instrument Manufacturers.*

Peterson is "in tune" with your needs as a professional piano technician. A Peterson tuner will make your work easier, while helping you to consistently provide precise tunings for your customers! That's because we've combined the intuitive strobe tuning method with simple controls to offer the most advanced features imaginable. Peterson tuners are simple to use, light-weight, excellent tools for musical instrument technicians. AutoStrobe tuners require no warm-up time or calibration...EVER!

The *AutoStrobe 490-ST* has auto note selection, +2/-1 shifted octave display, an 8 octave visual range, a built-in microphone, accuracy to 1/1000 of a semitone, digital pitch offset control, preset and custom temperaments, adjustable "Concert A" pitch reference in 1 Hz increments, an LCD screen for easy use and also includes stretch (curve) tuning capabilities. With the stretch tuning feature, you can store offsets of the 12 chromatic pitches in 1/10 cent increments for each of eight octaves. There are also preset stretch tables to choose from that you can copy and edit to your own liking. The tuner has enough memory to create and store up to 31 custom stretch tables in addition to the preset tables.



*"Tuning  
at the  
Speed  
of Light."*

- *Automatic Note Selection*
- *+2/-1 Shifted Octave Display* - provides improved clarity for extreme range notes by shifting the strobe patterns into more visible middle bands on the strobe disc. Bass note patterns can be displayed two octave bands higher, and treble note patterns can be displayed one octave band lower on the strobe display.
- *Accuracy to 1/10 of a Cent (1/1000 of a Semitone)*
- *Digital Pitch Offset Control*
- *Adjustable "Concert A" Reference*
- *Preset and Custom Temperaments*
- *Convenient Built-In Condenser Microphone*
- *Backlit LCD Display Provides Simple User Interface*
- *Comprehensive Assortment of Preset Stretch Tables*
- *Up to 31 Custom Stretch Tables*
- *Note & Octave Increment* - hands-free manual note & octave increment through an optional single foot-switch that plugs into the 1/4" jack on the back panel.
- *Octave Increment & Decrement Buttons* - these functions can also be controlled by an optional dual footswitch.



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ELECTRO-MUSICAL PRODUCTS, INC.



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## Preset Temperaments in the Peterson AutoStrobe 490-ST

- Equal
- Pythagorean
- Just Intonation-Major
- Just Intonation-Minor
- Quarter Comma Mean-Tone
- Werckmeister III
- Kirnberger III
- Young
- Kellner
- Power 5ths

## Preset Stretch Tables in the Peterson AutoStrobe 490-ST

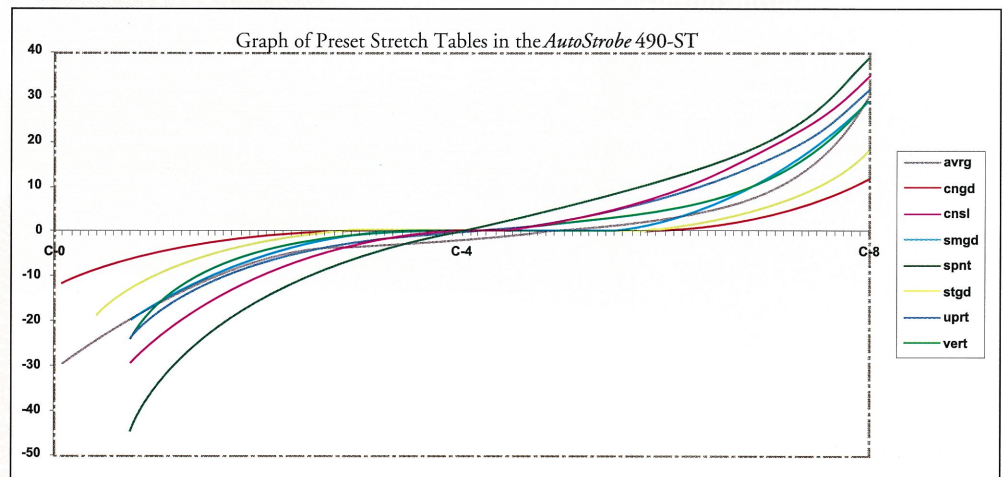
### VERTICAL PIANO

SPINET - Under 39"  
CONSOLE - 39" to 51"  
UPRIGHT - Over 51"  
GENERIC VERTICAL -  
Average of vertical sizes

### GRAND PIANO

SMALL - Under 6'  
STUDIO - 6' to 8'  
CONCERT - Over 8'

**AVERAGE** - This table is an average of optimal settings over many styles and makes of upright and grand pianos.



## Optional Accessories

- Octave Increment/Decrement Dual Footswitch
- Note & Octave Increment Single Footswitch
- External Microphone
- Carrying Case



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1147 North Myrtle Avenue, Dept. 4100, St. Louis, MO 63103  
Phone: (314) 763-1234  
Fax: (314) 763-1235  
Internet: www.peterson.com