

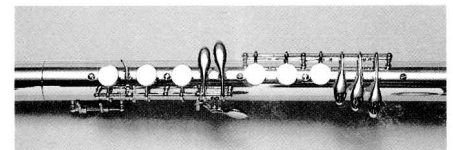
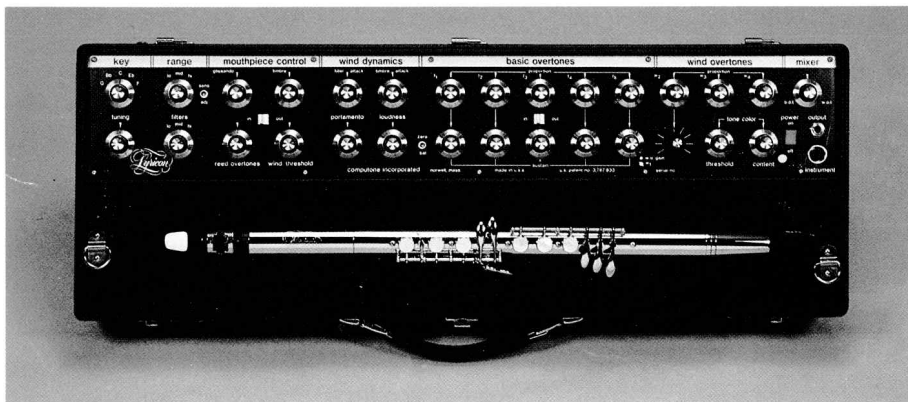
Lyricon



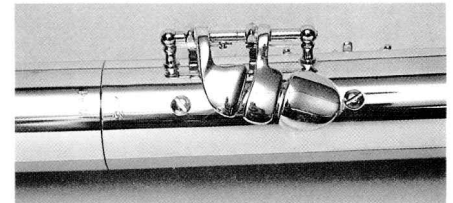
The Lyricon is the first electronic instrument to combine a synthesizer with a wind instrument that plays with the same feel and sensitivity as an acoustical woodwind. The Lyricon responds instantly to changes in reed and wind action, giving the player extensive control over loudness, pitch, attack, timbre, decay and other expressive elements of phrasing over a full six-octave range.

With the Lyricon, a player's own expression is as important as the synthesizer settings in controlling sound output. And using both, the Lyricon player can produce sounds unobtainable on other synthesizers — from the imitative tones of conventional woodwinds, brasses and strings, to any number of electronic effects.

The Lyricon can be used with any conventional speaker / amplifier system.



Key mechanism



Double octave key and thumb rest

Features of the Lyricon Wind Instrument:

Lip Transducer converts lip position to electronic control signals.

Wind Transducer converts wind flow, attack and diaphragm pressure to electronic control signals.

Mouthpiece is a modified tenor saxophone mouthpiece.

Fibercane Reed controls air stream going to the wind transducer, and controls the magnitude of electronic signals.

Keys: 13 Finger switches activate electronic pitch control signals, using a simplified woodwind (Boehm) fingering system that is uniform in all three registers.

Controls on the Computer Console:

Key puts instrument in G, B \flat , C, E \flat , or F.

Tuning controls pitch through three semi-tones from any key setting.

Range sets the lowest playable note at the bottom of the Lyricon's six-octave range, at one octave above this, or two octaves above. (The instrument's double

octave key then raises the pitch of any note by either one or two octaves.)

Filters varies filter overtone pitch in accordance with Range setting.

Mouthpiece controls give player command of glissando, timbre and overtones through changes in embouchure.

Wind Dynamics gives player control of overtones and timbre through changes in wind attack.

Loudness controls overall volume.

Basic Overtones are five independent filters fixed at prescribed musical intervals. Proportion varies the extent to which each tone contributes to total sound; and Sustain "colors" each overtone independently.

Wind Overtones enables player to select and reinforce individual overtones while playing.

Tone Color adds "reedy" quality to sound as player varies wind pressure.

Mixer balances Wind Overtones and Basic Overtones.

Output Jack can be used to drive headphones, an external amplifier, or other electronic devices.

Power Source:

AC 110-120 VAC 60 cycle outlet. (Export models are designed for 220V, 50 cycle.)

Connecting Equipment:

One AC line cord connects the console to standard AC outlet. One guitar-type patch cord connects output jack on Lyricon console to input jack of amplifier.

All specifications are subject to change without notice or obligation.