



Unicord, Inc.

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KORG proudly announces the most exciting advance in musical instrument creativity since the introduction of the synthesizer: - the Professional Laboratory Systems (PLS) Polyphonic Synthesizer series. The PLS series is an advanced state-of-the-art family of synthesizers and accessories featuring totally polyphonic keyboards, individual and discrete articulation of each note played, true synthesizer voltage controlled process for each key and a myriad of special features such as Amplitude and "Ensemble" Modulators, Voltage Controlled Resonators, Voltage Controlled multi-waveform Modulation Generators, Polyphonic Voltage Controlled Sample and Hold, General Envelope Generator with selectable keyboard triggering modes for special effects, Control Voltage Processor limiters, Programmable hand and foot controllers (example- Pitch/Modulation wheel and bi-voltage "Joy Sticks"), Extensive Control Voltage Patching facilities and totally interfacable compatibility. It's truly like having 48 mini synthesizers all hooked up to the same keyboard and control interfacing, at your instant disposal.

All this at prices that will make the world of polyphonic synthesis easily incorporable into your educational institution, recording studio, or group's playing budget. To see just how versatile and feature laden these exciting new products are, glance through the specifications for each model. Then see if the latest in musical technology can't be yours too!



PS3100 SPECIFICATIONS

Keyboard

F-E 48 keys with prorammmable pitch/modulation wheel.

Signal Generators

Five Wave Forms (\wedge ∇ \square \square \square) plus Pulse Width Modulation with Intensity controls.
 Frequency Fine, Frequency Coarse, Scale (2', 4', 8', 16')
 2 Frequency Modulation Controls, Modulation reverse
 External Frequency Control Input
 External Pulse Width Modulation Control Input

Dynamic LP Filter

Cut Off Frequency, Peak, Keyboard Filter Balance, Expand
 2 Cut Off Frequency Controls
 External Cut Off Frequency Control Input

Envelope Modifiers

Attack Time, Decay Time, Sustain Level, Release Switch
 Keyboard Hold Switch
 External Attack Time Control Input
 External Release Switch Input

Resonators

Resonance Intensity, Peak Frequency Control (High, Middle, Low),
 Peak Frequency by Modulatoin Generator 2
 Frequency Modulation
 External Peak Frequency Control Input

Total Signal Modifiers

Amplitude Modulator, Ensemble, VCA1, VCA2
 Keyboard Volume Balance, Final Volume, Phone Volume
 Direct Volume
 External VCA1 Control Input
 External VCA2 Control Input

Modulation Generator 1

Six Waves Forms (\wedge ∇ \square \square \square , Pink Noise, White Noise)
 Frequency, Modulation VCA
 External Frequency Control Input
 External Modulation VCA Control Input
 Modulation Generator 1 Output

Sample & Hold

Clock Frequency, Synchronizing switch
 Sample & Hold Input
 Sample & Hold Output

Modulation Generator 2

Clock Frequency control
 Modulation Generator 2 Output

General Envelope Generator

Keyboard Trigger Select, Delay, Attack, Release,
 Auto, Reverse Trigger
 Input, General Envelope Generator Output 1
 General Envelope Output 2

Voltage Processors

Voltage Processor 1—Limiter A, Limiter B,
 Input, Controller Input, Output
 Voltage Processor 2—same as Voltage Processor 1

Signal Outputs

Final Output, Phones Output, Direct Output

Others

Manipulator Output, Sideboard Switch Output
 Keyboard Trigger Output (Single)
 Keyboard Trigger Output (Multiple)

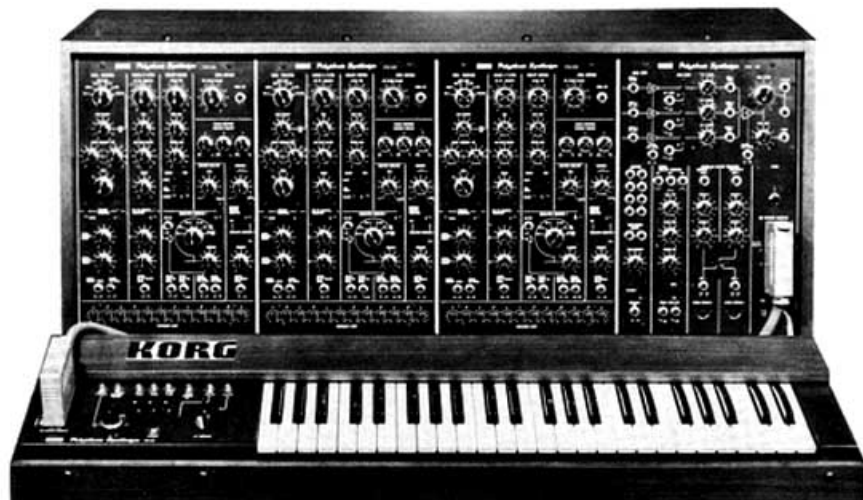
Power Consumption—30 watts

Dimensions: Width 32 $\frac{1}{4}$ "
 Depth 20 $\frac{3}{4}$ "
 Height 14"

Weight: 66 lbs.

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KPS3300 SPECIFICATIONS

KEYBOARD CONTROLLER (PSU481)

Remote Keyboard Controller, 48 keys F-E, with X-Y bi-voltage manipulator, keyboard trigger, momentary on/off function, three switchable on/off functions, sixty-pin keyboard connector.

SOURCE MODULES (PSU482)

Three source modules included in each KPS3300 each with the following specifications:

Signal Generator

Five Wave Forms (\wedge ∇ \square \square \square) plus Pulse Width Modulation (PWM) and Intensity Controls Frequency Fine, Frequency Coarse, Scale (2', 4', 8', 16') 2 Frequency Modulation Controls, Modulation Reverse External Frequency Control Input External Pulse Width Modulation Control Input

Dynamic LP Filter

Cut Off Frequency, Peak, Keyboard Filter Balance, Expand 2 Cut Off Frequency Controls External Cut Off Frequency Control Input

Envelope Modifiers

Attack Time, Decay Time, Sustain Level, Release Switch, Keyboard Hold Switch External Attack Time Control Input External Release Switch Input

Resonators

Resonance Intensity, Peak Frequency Control (High, Middle, Low) Peak Frequency by Modulation Generator 2, External Peak Frequency Modulation External Peak Frequency Control Input

Modulation Generator 1

Six Wave Forms (\wedge ∇ \square \square \square \square), Pink Noise, White Noise Frequency, Modulation-Voltage Control Amplifier (VCA) External Frequency Control Input External Modulation VCA Control Input Modulation Generator 1 Output

Modulation Generator 2

Clock Frequency Control Modulation Generator 2 Output

CONTROL MODULE (PSU483)

Total Signal Modifiers

Three channel mixer including external level control input. Independent channel, on/off switches, in/out jacks Independent channel volume controls Total volume control, two output jacks One headphone output with level adjust Two four-way junctions

Sample & Hold

Clock frequency synchronizing switch Sample & Hold input and output jacks

General Envelope Generator

Two external trigger inputs Normal/Automatic switching Three selectable output Voltage sources Delay, Attack, Release controls

Voltage Processors

VP 1 and VP 2, each contains: Controller in and Output jacks Limiter A, Limiter B controls Foot controller input

Others

On/Off switch with indicator Sixty-pin keyboard Interconnector

DIMENSIONS:	WIDTH	DEPTH	HEIGHT	WEIGHT
CONSOLE	39 $\frac{3}{4}$ "	37 $\frac{1}{4}$ "	18 $\frac{1}{2}$ "	79 $\frac{1}{4}$ lbs.
KEYBOARD CONTROLLER	39 $\frac{1}{2}$ "	10 $\frac{1}{4}$ "	5"	15 $\frac{1}{2}$ lbs.

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