prophet 2000

The Prophet 2000,
Sequential's New Digital Sampling Keyboard Instrument.

The Prophet 2000 is an eight-voice sampling instrument featuring a weighted action velocity-sensing keyboard at a suggested retail price of $2,499. And that's just the beginning.

Superior sound quality has long been the trademark of Prophet instruments. The Prophet 2000 adds to this legacy by combining high-resolution digital sampling technology with extensive enhancements. For instance, a user can sample any sound using features which include a variable input level control, complex sample editing (reverse, mix, truncate), and automated looping functions such as computer assisted zero crossing or zero slope detection to help find the best possible loop points. The built-in 3½-inch disk drive provides for fast and easy storage of custom sounds and programs. The Prophet 2000 can format your blank disks, saving you the expense of purchasing specially formatted disks. A detailed user sampling guide is also included with every Prophet 2000 , and a large selection of pre-recorded sounds are available from Sequential's library of factory disks. We make it easier than ever for you to stockpile sounds for your own personal library.

The Prophet 2000 is more than just a high quality digital sampler; it also has multiple waveforms stored in on-board memory for building "traditional" synthesizer sounds. These sounds can be played alone or in conjunction with sampled sounds by splitting the keyboard or layering sounds on top of each other.

On the performance front, the Prophet 2000's velocity-sensing 5-octave keyboard provides precise control over loudness, modulation amount, timbre, sample start points and crossfading or switching between two separate sounds. Its weighted action responds to every nuance of the player's individual technique. The keyboard can be split, with different sounds assigned to each half, or with multiple sounds layered on top of each other. The player can create as many as 12 keyboard combinations, for instant access to as many as 16 sounds. The Prophet 2000 also features pitch and programmable modulation wheels, as well as very impressive arpeggiation capabilities including programmable up, down, assign, extend, auto-latch, and transpose modes.

A thorough MIDI implementation includes full support of modes 1 (poly) and 3 (omni), receivable in mode 4 (mono), clock in and out, pitch and modulation wheels, main volume, switchable MIDI THRU and 2nd MIDI OUT, complete waveform access/programming via an external computer, and the ability to transmit and receive sound samples over MIDI.

The Technical Stuff

The Prophet 2000 records samples using 12-bit digital technology. This 12-bit resolution allows the reproduction of any sound sampled with astounding realism and studio quality audio fidelity. The user may sample at rates of 15.625 kHz, 31.250 kHz, and 41.667 kHz, and store samples into 2 blocks of memory. Each memory block can store samples with durations of 8-seconds and a playback bandwidth of 8 kHz, 4-seconds at 16 kHz, or 3-seconds at 20 kHz.

Each of the Prophet 2000's eight independent voices features a 4-pole low pass VCF, a VCA, velocity controlled four stage envelopes, plus access to the unit's on-board waveforms. Any sampled sound can be modified using these analog controls, as well as additional digital and keyboard controls provided. By assigning two samples to the same keyboard range, layered sounds and multiple-voice stacks may be created. Up to 16 samples can be assigned anywhere on the keyboard.

The Prophet 2000 is available today through your Authorized Sequential Dealer.

SEQUENTIAL

PROPHET 2000 SPECIFICATIONS

MASTER CONTROL PARAMETERS:
Volume
Balance
Master Tune
Preset (ON/OFF)
Preset Select (1 thru 12)
Execute
Parameter Value Knob

PERFORMANCE CONTROLS:
Pitch Wheel
Mod Wheel
Arpeggiator (ON/OFF)
Stack (ON/OFF)
Footswitches (2)

DISK OPERATIONS:
Load & Save & Verify:
  Entire Disk
    Memory Block A Only
    Memory Block B Only
    Memory Block A to B
    Memory Block B to A
Load Internal ROM Presets
Load 1 Sound
Format Disk

SAMPLE:
Continuously Variable Input Level (Switchable: Mic or Line)
Sound locations (1-16)
VU Display (with Peak Hold)
Adjustable "Sensitivity" for Record Start
Size (Up to 128 Bytes of RAM Memory x 2)
Variable Sampling Rate: 15.625kHz, 31.250kHz, 41.667kHz
Maximum Sample Length: 8 Seconds x 2
Playback Frequency Range: 20Hz-20kHz
Voices: Eight, Fully Independent

SAMPLE EDITING:
Truncate (Start or End Points)
Delete
Tuning (Coarse & Fine)
Combine (2 into 1)
Copy/Append
Reverse
Variable Start Point (Velocity Sensitive)

SAMPLE LOOPING:
Automated Looping Functions (Zero Crossing/Slope Detection)
Bidirectional Looping (Forward Only, Backwards/Forwards)
Sustain Loop (Start & End Points)
Release loop (Start & End Points)

KEYBOARD MAPPING:
16 Maps (1-8 & A-G)
Build Map
Relative Mix (Volume)

STORES UP TO 12 PRESETS PER DISK
Each Preset can be Composed of:
Arpeggiator Parameters
Dynamic Allocation (ON/OFF)
Select Maps (Left & Right)
Keyboard Modes:
  Merge
  Right Map Only
  Left Map Only
  Layered
  Split (Programmable)
  Velocity Switch (Programmable Threshold)
  Velocity Crossfade
  Positional Crossfade
MIDI Parameters (Mode, Channels, Wheels, etc.)
Stack Parameters:
  Number of Voices (1, 2, 4, 8)
  Delay (0-127ms per Voice)
  Detune (Variable)
LFO Parameters:
  Rate (DC to 15Hz)
  Initial Amount
  Velocity Amount
LFO Destinations:
  Pitch
  Filter
  Amp

ARPEGGIATOR PARAMETERS:
Modes:
  Up/Down
  Up Only
  Down Only
  Assign
  Random
Number of Octaves (1, 2, or 3)
Repeats Per Key (1, 2, 3, 4, 8, 16, Random)
Rate (Internal or MIDI Clock)
Latch & Transpose:
  No-Latch
  Auto-Latch
  Extend (1 to 64 Notes)
Programmable Split Point:
  Selectable Upper or Lower Arpeggiation

ANALOG PROCESSING:
VCF: 4 Pole Low-Pass Filter (1 per Voice)
VCA: 1 per Voice
Envelope Generator: ADSR (2 per Voice)
LFO
Filter:
  Cutoff Frequency
  Resonance
  Keyboard Tracking
  Envelope Amount (Bipolar)
  ADSR
Amplifier ADSR

Velocity Control Destinations: (All are Bipolar)
Envelope Attack Rate
Envelope Release Rate
Filter Envelope Peak
Amplifier Envelope Peak
Sample Start Point
LFO Amount

KEYBOARD:
Range: 5 Octave, 61 Note, C to C
Velocity Sensing: Programmable Sensitivity
Splits: Programmable (Up to 16)

DATA STORAGE:
Medium: 3.5" Disk, Single Sided, Double Density
Storage Capacity: 420K Bytes per Disk
Drive: One Single Sided Drive

INPUTS:
Sample
MIDI IN
Footswitch, Alternate Release
Footswitch, Auxiliary

OUTPUTS:
Right/Mono
Left/Headphones
MIDI OUT
MIDI THRU or 2nd MIDI OUT (selectable)

STANDARD ACCESSORIES:
3 Factory Disks

OPTIONAL ACCESSORIES:
Dual Footpedals
Library of Sound Disks

DIMENSIONS:
43.5" Wide x 12.5" Deep x 4.1" High
Approximate Weight: 33 Pounds

POWER REQUIREMENTS:
110/220 Volts

Specifications Subject to Change Without Notice.