



INTRO

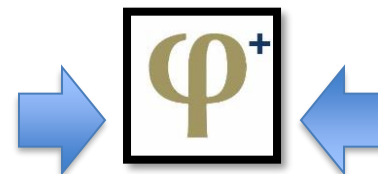
PhysisPlus represents the natural and powerful evolution of our patented and now well-known Physis (Physical modelling) technology.

How does it differ from the current one?

We have developed in our laboratory a technological **combination** of our proprietary physical models and an artificial intelligence algorithm we call **MORIS©** ("Multi-Objective Random Iterative Search", a Viscount Deep Learning complex procedure that has made it possible to achieve a richness of sound never reach before.

This algorithm is able to learn and capture new acoustic features of typical organ sounds and provide estimates of the parameters of a pipe physical model, thus making our new physical models incredibly realistic, both in terms of harmonics and feeling on the keyboard.

$$\Phi \text{ Physisplus} = \Phi_{\text{Physis}} + \text{MORIS©}$$



Click on the logo and find out! (ctrl+click)

Opera 400

Opera 400 is the first digital organ incorporating PhysisPlus that Viscount offers on the market. An unprecedented 3-manual organ with enormous computing power in the creation of physically modelled sound, capable of processing details of harmonic richness never heard before, handling numerous outputs easily via the routing area on the editor, built with Viscount's best raw materials.

- **3 manuals, 55 organ + 8 orchestra stops**
- **Full sound library availability**
- **Dedicated area in the editor for intuitive routing**
- **Tracker Touch + Tracker Noise for a real mechanical organ feel**
- **Dante® audio system availability to easily outputs management**
- **Wide set of Subs and Super couplers**
- **State of the Art quality craftsmanship**



Light oak



Dark oak



STANDARD EU DISPOSITIONSTOPS: 55

PED: 12 MAN I: 11 MAN II: 15 MAN III: 17

PEDAL

Untersatz 32'
Principalbass 16'
Subbass 16'
Bourdon 16'
Violon-bass 16'
Octavbass 8'
Gedackt 8'
Choral-bass 4'
Mixture IV"
Contra Bombarde
32'
Posaune 16'
Trompete 8'
II 8'
III 8'
III 4'
I 8'

MAN II

Principal 16'
Principal 8'
Flûte Harmonique 8'
Gedackt 8'
Gamba 8'
Unda Maris 8'
Octave 4'
Spitzflöte 4'
Quinte 2 2/3'
Superoctave 2'
Mixture V
Kornett IV
Contra
Trompete 16'
Trompete 8'
Klarine 4'
Tremulant III 8'
I 8'

MAN III

Bourdon 16'
Geigen Principal 8'
Rohrgedackt 8'
Viola di Gamba 8'
Vox Celeste 8'
Octave 4'
Rohr-flöte 4'
Salicet 4'
Nasard 2 2/3'
Blockflöte 2'
Terz 1 3/5'
Plein Jeu IV
Fagott 16'
Trompete 8'
Oboe 8'
Vox Humana 8'
Clairon 4'
Tremulant

MAN I

Rohrgedackt 8'
Quintadena 8'
Principal 4'
Gedacktfloete 4'
Octave 2'
Sesquialtera II
Quinte 1 1/3'
Sifflöte 1'
Scharff III
Dulzian 16'
Cromorne 8'
Tremulant III 8'

PRODUCT SPECIFICATIONS

Technology	Physis+ Advanced Physical Modelling	CABINET	
Manuals	3	Wood Veneer	Light oak, dark oak
Total Stop Controls	55 Organ Stops + 8 Orchestral Voices	ACCESSORIES	
Pedal	12	Bench	With Music Storage shelf
MAN I	11	Adjustable Bench	Optional
MAN II	15	MIDI Enable	Yes (Front rail)
MAN III	17	Orchestra and Midi Sustain	Side Switch on Expression Pedal
Orchestra	8, 2 for each organ division	DISPLAY	
Alternative Organ Stops	5 or more for each tab	Display Dimensions	128 x 64 dots Graphic with Backlight
Alternative Orchestral Voices	More than 30 overall	Stops Voicing	Available
Couplers	15	Divisional Volume	Available
General Memories	1000 (000 - 999)	Tremulant	2 independent for each division
Memory Slots	9 slots x 1000 each	Reverb	16 presets
Total Memories	9000	Ensemble Effect	Adjustable
Piston Sequencer	Two sets of thumb pistons; Two toe pistons	Temperaments	19 Historical + 4 user programmable
Speakers Controls	Console, External	Short Octave	Available
DIMENSIONS		Keyboards Inversion	Available
Height (excluding music desk)	cm 127 - 50"	Internal Routing	Programmable for each stop
Height (including music desk)	cm 151,5 - 59,6"	Internal Equalizer	5 Band Graphic EQ
Width	cm 164,1 - 64,6"	MIDI Sequencer	Available
Depth (excluding pedal board)	cm 70,5 - 27,7"	File Manager	Load, Save, Backup, Restore
Depth (including pedal board)	cm 111,2 - 43,7"	Lock Organ	With Password
MUSIC DESK		Routing	Programmable for each stop
Plexiglass Desk with Light	Available	Volume	Adjustable for each channel
Adjustable Desk	Optional		
MANUALS - KEYBOARDS		REVERB SYSTEM	
		True Stereo Reverb	16 new unique presets
Standard Keyboards	Available	Additional Parameters:	Wet/Dry

Plastic Black Keyboard Covered with Real Wood	Optional		Early reflections
Ivory / Wood Colored Plastic With Wooden Core	Optional		Decay Time
Viscount AWK Keyboards With Wooden Core	Optional	Left/Right	Assignable to external outputs
PEDALBOARD		SOUND AMPLIFICATION	
32 note Straight Concave or Parallel, Radiating Concave	Available	Internal Amplifiers	6 Class-D amplifier 150W per channel
32 note AGO	Optional	Internal Speakers	10 total 4 tweeter 4 mid-range 2 x 10" woofer
CONNECTIONS		Channel Assignable	Reverb LR General Sub
MIDI In - MIDI Out	Available		
Aux In, Aux Out	Available	PIPE SETS	Modern, Baroque, Romantic, Symphonic, English Cathedral + 5 assignable sets
Headphones Out	Available		
USB	A-Type (USB pen) B-Type (Connection to Physis Editor)	DISPLAY MENU FUNCTIONS	
EXTERNAL OUTPUTS		Temperaments	Available
Channels	12 programmable (optional: up to 28)	Pipe Set	Available
Channel Assign	Voice, General, Sub, Reverb	Pitch	Available
Crescendo Steps	Available		
2x Expression Pedals Level	Available		
Transposer	Available		
Quick Access	Levels (Master, Reverb, Ext Out, ...); Songs		

OPTIONAL KEYBOARDS



1) Viscount AWK keyboard (full wood)



2) Tp8LV Black keyboard (Plastic keyboard with real wood)

SUSTAINABILITY

Amplifiers

Energy saving has always been an integral part of Viscount's DNA; committed since its inception to the design of increasingly efficient and reliable products, aimed at minimizing the environmental impact and energy costs. The technology applied on our new amplifiers is based on the ability to transform almost all of the energy deriving from the power supply into usable power, also recycling the reactive energy returning from the speakers.

Today this technology has been applied on the new Physis plus organ line: specifically for our products this translates into optimal efficiency (0.95-0.99%) and the consequent reduction of the energy required to achieve the same level.



Company

Thanks to a regional project, Viscount has also started a process of energy efficiency of the production plants and offices.

We want to offer increasingly sustainable and safe products; therefore, we pay the utmost attention to the quality of the materials - which are all certified according to the highest safety standards - and our processing waste is recycled for other uses.

Viscount is a company located in a place surrounded by nature of precious beauty. Our commitment is to preserve and deliver it to future generations.

◦ Opera 400 ◦

Φ P_hysis₊plus



VISCOUNT