

OCL Compression for the 500 Series Format

- OCL-2 compression profile with our proprietary opto cell
- Six time constants with fast, rms, multi-slope and average
- Class A solid - state (no tubes)
- Sidechain hi-pass filter
- Single-space 500 series rack format



Actual Size

Since its introduction in 1998, the Pendulum OCL-2 Compressor/Limiter has become a modern classic. In fact, the OCL-2 changed the way users think about opto compression! Our custom opto cell provides fast, invisible compression without the artifacts and sluggish response inherent in vintage designs.

The new OCL-500 has the same compression circuit as the OCL-2, but uses a transformerless class A solid-state gain makeup circuit in place of the tube stage. The result is clean, transparent compression that can be used to shape the dynamics of any source while preserving its tone. Like the OCL-2, the OCL-500 has a wide variety of time constants and dynamic control to optimize the compression characteristics, including a sidechain hi-pass filter.

OCL-500 Specifications

Format: API® 500 series standard, fully compatible
 Input Impedance: 20K Ω , balanced
 Output Impedance: less than 50 Ω
 Max. Output Level: +27dBu, balanced
 Threshold: off to 20dB of gain reduction at +4dBu
 Ratio: 1.5:1 to 15: 1, soft knee
 Output: Off to +20dB of makeup gain
 Max. Gain Reduction: 27 dB
 Frequency Response: +/- 1 dB from 10Hz to 95kHz
 Noise Level: better than 78dB below +4dBu, 0-30kHz
 Total Harmonic Distortion: less than 0.01% with no compression

Time Constants

Position	Type	Description
F	Fast	Peak-averaged by the opto-cell
A	Average	RMS response
V1	Vintage 1	Three-stage multi-slope (auto)
V2	Vintage 2	Slower three-stage multi-slope (auto)
M1	Manual 1	Medium attack, medium release
M2	Manual 2	Slower attack, slower release

Average and Vintage 1 are the presets in the Quartet.
 Vintage 2 is the Vintage preset in the Quartet II.
 M1 and M2 are manual attack and release settings often used in the OCL-2.