



GOLDMUND

TELOS 5000



For more than ten years Goldmund has built the reputation of manufacturing the best Power Amplifiers existing, capable to drive any kind of audiophile speakers, or to satisfy any laboratory need.

Today, the best speaker's manufacturers use more often power amplifiers from Goldmund than from any other brand, in order to guarantee the maximum sonic quality during the demonstration of their top models.

The limited series of the new Telos 5000 is only manufactured in an exclusive quantity of 20 pairs and will remain as the ultimate statement made by Goldmund in the domain of power amplifiers. All units have been pre-sold, and the Telos 5000 rapidly becomes a valuable collectible among privileged audiophile collectors.

The Telos 5000 is not only the first high-end Audio mono amplifier capable of delivering a real 5000 Watts without distortion, it has also been the development laboratory of Goldmund for the last 3 years, providing the company with many new very innovative circuit designs.

Developed out of the schematics of the Telos amplifier, the new Telos 5000 extreme specifications required the Goldmund Development team to create a few completely new circuits, some of them using technologies never used before in Audio Amplifiers :

- The Alize 7 D/A converter is a completely new design, adding the dynamics of three of the best D/A chips in existence to create an incredible final resolution above 130dB. Already released as a separate circuit in the Mimesis 20.7 outboard D/A converter, the Alize 7 built in the Telos 5000 improves over any pre-existing designs in its ability to recreate 3D space by lowering the noise level to levels barely measurable (see the technical specifications below)*

- The input circuit of the Telos 5000 amplifier is also completely new, using four Class A modules of a completely new topology and providing a level of noise and distortion never encountered before.*

- The output circuit uses a large quantity (72) of new Power Mosfets which are especially calibrated for the Telos 5000 and a cascade/bridged circuit of a new type to increase the amplifier's speed above anything ever achieved even in the other Goldmund Telos amplifiers. It is powered by a phenomenal stack of 24 huge ultra-low impedance filtering capacitors especially designed for the Telos 5000 with a total value approaching 0.2 Farads.*

- The transformer bloc uses 16 separate transformers especially made in England for the Goldmund Telos 5000. It can develop a power of close to 10'000 Watts and is deeply molded in an epoxy mix providing vibration and noise reduction.

- The protection circuit, developed from the other Telos amplifiers but safer and faster, is aimed at protecting the speakers against any overload, a very difficult task for such a fast amplifier, capable of delivery more than 200 amps in a few nanoseconds.

The Telos 5000 is housed in a 94 cm high tower of 47 x 39 cm section with two sides fully used for the cooling heatsinks. It weights more than 250 kg per piece. The hard brass construction is pushing the Goldmund Mechanical Grounding construction principle to a level never achieved before without any serious consideration for the associated cost.

TECHNICAL SPECIFICATIONS



Power

- Maximum Instantaneous Power:
 - 1510W for 8 ohms
 - 3020W for 4 ohms
 - 6050W for 2 ohms
- Maximum Continuous Power:
 - 1250W for 8 ohms
 - 2500W for 4 ohms
 - 5000W for 2 ohms
- Maximum instantaneous current: 252A peak
- Maximum Voltage swing: 110V peak

Frequency Response

- +/- 0.1 dB, 0 - 300 kHz
- +/- 1 dB, 0 - 800 kHz
- +/- 3 dB, 0 – 2.5 MHz

Noise

- Signal to noise: > 122 dB
- A weighted: > 138 dB

Circuit Speed

- Slew rate : > 200 V/us.
- Rise time : < 200 ns.

Group Delay

Propagation delay < 100 ns stable with frequency from DC to 200 kHz.

Distortion

- THD + N input stage analog: 0.0005%
(1Vrms input, 80kHz bandwidth measurement)
Bal or unbalanced in and for any input attenuation settings (flat with freq, 20Hz – 40 kHz)
- THD + N input stage + DA: 0.0005%
(0dBfs, 80kHz bandwidth measurement)
Bal or unbalanced in and for any input attenuation settings (flat with freq, 20Hz – 40kHz)

Inputs and Outputs

- RCA analogue unbalanced input
- XLR analogue balanced input
- RCA digital S-PDIF Input and Output
- 2 x 5-way binding post and 4 x Balanced Goldmund Speaker cable Lemo connectors for power output.

Maximum Analog Input Level

- 4.8 Vrms unbalanced
- 9.6 Vrms balanced

Power Supply

- 16 separate transformers. Hyper-velocity rectifiers and large batch of 24 ultra-low impedance capacitors to increase speed.

Size & Weight

- 94 x 47 x 39 cm
- Weight: 260kg.



Worldwide Distribution

Goldmund International
57 rue Grimaldi
98000 Monaco

Asia Distribution

Goldmund Asia
02-04 Heritage Place
21 Tan Quee Lan Street
188108 Singapore

North America Distribution

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