



Signature Century – Datasheet.

Ultra-high resolution stereo power amplifier

by Frans de Wit.

The 'Signature One' combines a new look with a new sound quality not matched by previous designs. The new look, most notably the smooth glass front panel, which may be lighted in any color (selectable by the owner), will be a pleasure to watch and something to admire for years to come.



However, this amplifier is not about looks, it is all about sound quality. For this a complete new direction of amplifier development has been chosen, this is a “trans-conductance (current feedback) current conveyor” amplifier, we like to call it *Hyper Current Amplifier*.



The internal power gain is provided by an innovative newly developed voltage-to-current converter followed by a low-current to high-current stage. The power, high-current, stage is constructed around a pair of “balance insulated-gate Darlington’s” that combine N and P type transistors, in a set of current-dumping sources, driving each rail-voltage.



After a design stage, taking 7 years, this technology is now mature enough to be presented to the ‘High-end’ audio community. Audio connoisseurs are for the first time in many years presented with a very exciting new technology that brings extreme quality.



Signature Origin

Home of Signature Quality

Important, conservative, specifications

| | |
|--------------------------|--|
| Operation | <i>Hyper Current Amplifier</i> (see text on previous page) |
| Rail-to-rail voltage | 100 Volt dc |
| Input sensitivity | 0 dB(100WRMS 8Ω) @ 1.4 VRMS |
| Input impedance XLR | 10 kOhm |
| Input impedance RCA | 6.3 kOhm |
| Continues PSU capability | 1000 Volt/Ampere |
| PSU capability | 2000 Watt |
| Nominal output power | 100 Watt in 8 ohm 200 Watt in 4 ohm 400 Watt in 2 ohm |
| Maximum output voltage | 94 Volt peak-peak |
| Maximum output current | 35 Ampere |
| Weight | 49 kG |
| Harmonized System | |
| HS Code | 85184080 |
| Packaging | Flightcase |
| Weight | 15 kG |