

# SOLITAIRE<sup>®</sup> P

Planar-magnetostatic headphones



**T+A**  
Engineering Emotion

# Solitaire P

## Planar-magnetostatic headphones

Exceptional headphones which combine all the intangible values on which our philosophy is based - The new Solitaire P.

Our first headphones incorporate genuine innovations, unmistakably restrained design features combined with technology which has exceeded our own requirements and expectations.

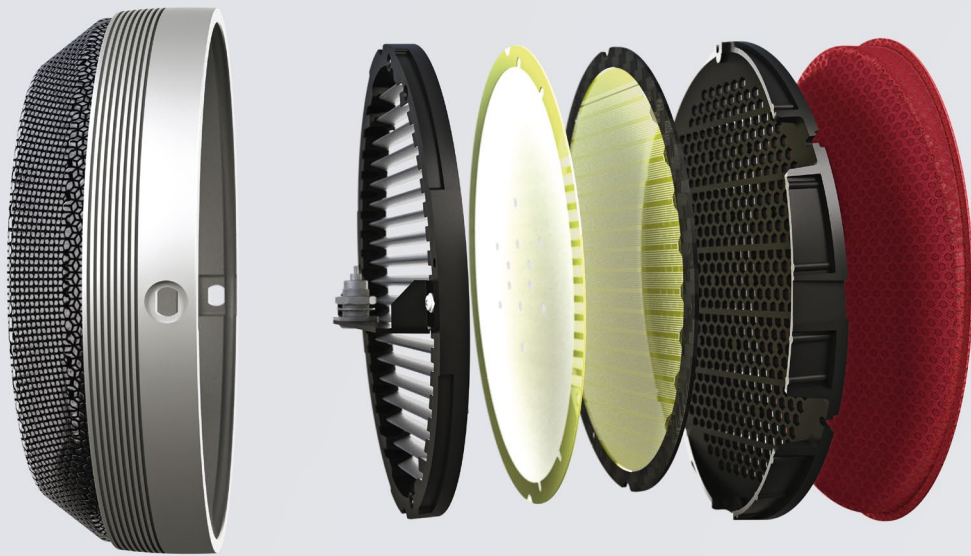
Our headphones' name pays homage to the Solitaire OEC active loudspeaker: a speaker which our founder introduced back in the year 1983, and which constituted the cornerstone of all today's T+A planar drivers. Like the treble units of its forebear, the Solitaire OEC, the Solitaire P is based on a planar transducer.

The headphones operate on the magnetostatic principle, to ensure that they can be used as widely as possible.

Developed and hand-made in Herford, Germany, the Solitaire P represents more than just a set of headphones: the product celebrates our commitment to music, technology and the art of craftsmanship.

The ideal partner to the Solitaire P is the equally new HA 200. This integrated headphone amplifier is unique, and sets entirely new standards in terms of performance, connection facilities and external design.





## Form

The ear and head cushions are manufactured for us by a specialist company here in Germany, and were developed to ensure that they exert no trace of pressure even after ten hours of uninterrupted listening. The synthetic leather and Alcantara surfaces are 100% allergen-free. The internal structure of the ear cushions is responsible for the outstanding positional accuracy of individual instruments as well as the headphones' expansive sound stage.



# Technology

The heart of the Solitaire P is a special diaphragm which carries our sophisticated array of conductors. Nineteen high-performance neodymium magnets drive the diaphragm through accurately calculated magnetic field lines. Our T+A Draft Control System - another in-house development - effectively prevents air turbulence, which can adversely affect sound quality. Specially designed annular mounts and magnet supports constantly maintain the diaphragm within the linear part of the magnetic driver field. This feature is crucial to the headphones' peerless dynamic quality and precision, which the listener experiences as a complete lack of inertia. Since the drive system consists of just one row of magnets, this outstanding performance is achieved with a significant reduction in weight.



## Precision

We believe that precision demands time, and that is why the aluminum cups, to which all the sub-assemblies are attached, take more than two hours to machine. Our quality requirements demand extremely close tolerances, and this requires the use of the latest precision five-axis machines. Like the cups, the yokes and their holders are machined from solid aluminum material: this makes the headphones enormously strong and rigid without incurring additional weight.

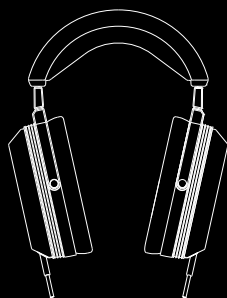


# Connections

Just like the chassis of a sports car, the cables of a headphone are essential for performance transmission. The sophisticated construction of our cables ensures that all parameters are maintained perfectly, guaranteeing that the extraordinary performance of the transducers can unfold to its full extent. The cables consist of ultra-pure copper (OFC) conductors with a carefully defined silver layer, encased with the connectors and splitters in a single manufacturing process, and sheathed in high-quality insulators. Professional military-grade two-pole connectors are used to connect the cups. Robustness and flexibility are not mutually exclusive in this context.



# Specifications



## Solitaire P

Transducer principle	Planar-magnetostatic
Impedance	80 Ohms
Frequency response	5 Hz - 54 kHz
Distortion	< 0,015 % @ 100 dB
Maximum sound pressure level	> 130 dB
Sensitivity	101 dB @ 1 kHz, 1V
Transducer size	elliptic 110 x 80 mm
Type of construction	Open, over ear
Connectivity	Wired transmission, un-balanced 6,35 mm, balanced 4,4 mm Pentaconn
Material	Aluminum, steel, allergen-free synthetic leather, Alcantara
Weight	530 g excl.cable

Technical modifications reserved

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More Technology



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