

Technical Data:

SPEED LIGHT

Light source: blue LED / 300 Hz precision light source (calibrated)

Battery: V 23GA – 12 V – Alkaline

(Technical changes are subject without notification)
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Stroboscope Testrecord

User manual



Hi-Fi Components **clearaudio electronic** GmbH

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The **clearaudio STROBOSCOPE TESTRECORD** satisfies the highest demands for an exact speed adjustment for turntables.

Dramatic sound improvements can be reached only with exact calibrated speeds.

- Optimal adjustment for turntables -

To adjust the exact speed, please choose the side for 50 / 60 Hz, or the other side for the use with the speed light first.



If you choose the side without the speed light source, you can use the regular light source for the installation, either 50 Hz (outer scales) or 60 Hz. The scales are graduated in three different reading options: 33,3 Hz, 45 Hz and 78 Hz (starting from the outer diameter).

Please place the stroboscope disc on your turntable platter and start the engine of your turntable. The big advantage of the **clearaudio** strobe disc is, that you can place your cartridge onto the strobe record, while measuring the speed, as there are grooves provided on the disc. This means, for the first time a real time speed analysis is possible under realistic circumstances.

If you have the impression that the horizontal lines move on the scale, you should set or readjust the speed of the motor again.

- If the lines move clockwise, the speed is too fast.

- If the lines move counter clockwise, the motor speed is too slow.

Please correct the speed on your motor or turntable until you have the impression that the lines stopped moving. After that you have reached the exact speed, you can enjoy the full potential of your vinyl collection again.



If you use the Speed Light (AC039) you can reach an even higher or more accurate adjustment, completely independent of the power line or frequency of your country. As well, the 300 Hz calibrated light, used as an external light source is completely independent from possible power line fluctuations, which could influence the result by regular light. The 300 Hz of the "Speed Light" are generated by a stabilized quartz oscillator and permit a very exact adjustment.

Please put the **STROBOSCOPE TESTRECORD** with the fine lines upward on your turntable. Here you also

have the possibility to choose between two different speeds. With the outside scale you can detect the speed of 33 Hz and with the inside scale you can detect the

speed of 45 Hz. Again, the big advantage of the clearaudio strobe disc is, that you can place your cartridge onto the strobe record, while measuring the speed, as there are grooves provided on the disc. This means, for the first time a real time speed analysis is possible under realistic circumstances.

Press the button of the speed light source and place it parallel over to the scale and adjust the motor or turntable speed until the horizontal lines do not move anymore.

- Tip -

As more accurate your turntable speed is adjusted, as better the overall sonic appearance of the record playback will be !

It is mandatory to check the speed several times through out the year, to ensure that other influences are not minimizing the sound quality.

Please enjoy your vinyl records now even more !

Yours **clearaudio** team

Loving music