Description

apogeeLAB has created a small portable device capable of generating a stable and precise light signal.
It is a high precision, quartz-controlled stroboscope with stable frequency at 60Hz.

Product Features

- **Very easy to use**
- **High precision**
- **Error < 0.02%**
- **Precision and reliable accuracy**
- **Battery power supply**
- **Lower power consumption**

General Description

Many turntables still use synchronous motors that use the mains frequency to obtain the rotation speed. When using a conventional stroboscope to control the speed of these turntables there is a problem: if the mains frequency is low the turntable platter rotation will be slow.

Even incandescent light or old neon tubes with reactor, used to illuminate the strobe disc, have a low frequency, resulting in an incorrect speed with an incorrect reading. Variations in mains frequency are very common.

If the turntable uses a synchronous motor, its speed will vary along with the mains frequency, so the result will never be accurate. It is absolutely necessary to use an independent light source with quartz-controlled frequency, also because with modern low-power lighting controlled by modern electronic ballasts, we no longer have the appropriate mains frequency.

The Turntable Quartzed 60Hz does not rely at all on the home mains frequency like other stroboscopes, but is generated internally with a quartz-controlled oscillator, therefore of very high precision. With the Turntable Quartzed 60Hz you can verify in a few seconds the speed of reading and **No analog setup can be truly complete without this essential accessory.**

After inserting the record on the platter and starting the turntable, simply light the turntable with the Turntable Quartzed 50Hz by checking the band oscillation relative to the speed of interest (**60 Hz**). If the lines move in the clockwise direction, the turntable rotates too fast, or vice versa. This stroboscope (60 Hz Version), allows you to check the following speeds: 33.33, and 45, rpm. The stroboscope is supplied working complete with batteries and stroboscope disc.

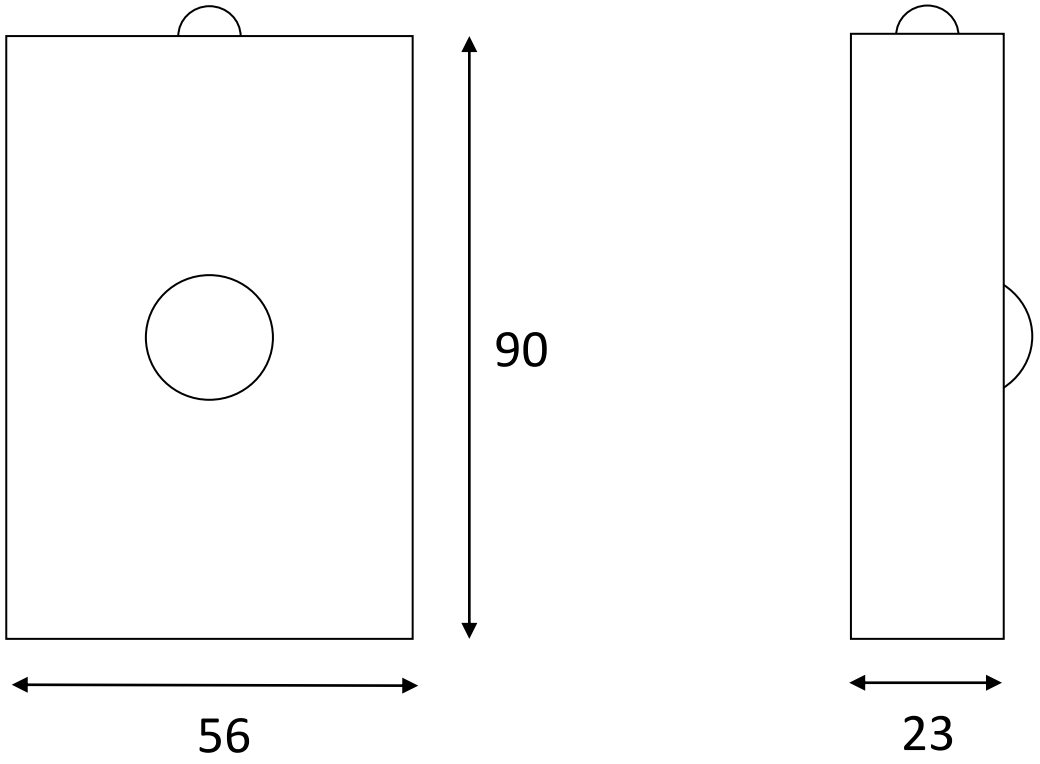
Absolute Maximum Ratings

Symbol	Parameter	Condition	Rating	Unit	Notes
Vdc MPS	Vdc Main Power Supply	STT – V1.0	3	Vdc	CR2016 Battery (x2)
TPD	Total Power Dissipation	@ T = 25°C	240	mW	
OT	Operating Temperature	STT – V1.0	40	°C	Max Value

Mechanical Information

The device is housed in a black ABS container, with contained weight: only 53gr

- Height: 23 mm MAX
- Width: 56 mm MAX
- Depth: 90 mm MAX



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