

## Read before you start



**WARNING: nixies need high voltage to light up. If you choose to build or use the calculator, you are doing so at your own risk.**

- This repository does not provide a complete project design. The design of the high voltage power supply (170V /  $\geq 45\text{mA}$ ) is not provided.
- Be aware that I'm just an electronics hobbyist and nixie enthusiast. However, this repository is only intended for suitable qualified electronic engineers who are familiar with nixie tubes.
- Please read all documents in Docs before deciding whether to build the calculator.
- I am not affiliated with any of the service providers named in this project.

### Known issues

- The calculator uses double type (64-bit) variables for the calculations, so the well-known rounding issues will occur. In a future firmware upgrade, I will try to use a "big number" library.
- The accuracy of the timer mode and the stopwatch depends on the internal oscillator of the ESP32. A future revision of the controller board will use the 32kHz signal provided by the RTC chip to increase accuracy.