

ClockClock Project

Sources

Instructables with Servos and 3D-Printing

<https://www.instructables.com/Clockception-How-to-Build-a-Clock-Made-From-Clocks>

AliExpress clone:

https://a.aliexpress.com/_Ejy4i0E

GitHub Project with

<https://github.com/Vallasc/clockclock24-replica>

Hand detection/calibration

The Github design uses hall Sensors HAL3144E from Hallwee, to detect the hands position. The designer states that he was not able to detect the hands reliably with this sensor and his mechanical setup.

HAL3144E

This is a china clone from

Hall Sensor comparison

MPN	Manufacturer	Bop(max)	Brp(min)	Bhy(typ)	
A3144E	Hallwee	230	70	50	

Expenses

Ausgaben bisher

PCBs und Teile

Date	Item	Side	cost
2025-06-10	PCBs JLCPCB	David	31€
2025-07-22	Komponenten - Reichelt	David	80€
2025-08-22	Motor VID28-05	David	94€
		Summe	205€

Lackieren und Galvanisieren

Date	Item	Side	cost
2025-08-19	Primer 2K paint	David	71,50€
2025-09-20	Isopropanol	Frederik	19,00€
2025-09-20	Primer, 2K paint (2nd)	Frederik	55,30€
2025-10-28	PVB Filament, Graphitex2	Frederik	63,00€
2025-11-02	Kupfer und Nickel Electrolyte	David	109,80€
2025-11-07	Boxes	Frederik	14€
2025-12-01	Zubehör	Frederik	30€
2025-11-25	Kupferleitlack	David	55,80€
		Summe	417€

Ausgaben geplant

Acryl

www.plattenzuschnitt24.de

ca. 370€

Pcs	Item	cost
1	Acrylplattenzuschnitt	ca. 370€
1	Ruthex Gewindeeinsätze set	30€
3	Lack RAL5022 "Nachtblau" 400ml	57€
		457€

Payments

2025-08-16 200€