

Qty	Value	Device	Package	Farnell order code	Parts designators	Description
1		SMD Battery holder	20MM	2115303	BAT1	Battery Holder 20mm
3	FSM6JH	Switch	TACTILE-PTH	1555983	S1, S2, S3	Momentary Switch (through hole) - around 8.5mm height
4	100nF	C	0805	1759143	C3, C5, C6, C7	Capacitor
1	100uH	Inductor	RL80912	1864382	L1	Inductor
1	10k	R (200V tolerant)	0805	1750767	R37	Resistor
1	10uF	C	0805	2362101	C4	Capacitor
2	18pF	C	0805	1740651	C1, C2	Capacitor
2	1k	R (200V tolerant)	0805	1750754	R36, R38	Resistor
1	1k	Trimpot (200V tolerant)	3362U-2	1141401	R35	Trimmer potentiometer
1	1uF	C (200V tolerant)	E2,5-6	2346640	C9	Capacitor
1	2.2nF	C (200V tolerant)	050-025X075	1166065	C12	Capacitor
1	220k	R (200V tolerant)	1206	2352636	R39	Resistor
4	27k	R (200V tolerant)	1206	1750855	R31, R32, R33, R34	Resistor
1	32.7kHz	Crystal	MC-306	1712823	Q1	Crystal
1	4.7uF	C	0805	1759414	C8	Capacitor
1	470uF	C	E3,5-8	1907237	C11	Capacitor
1	47pF	C (200V tolerant)	0805	1284128	C10	Capacitor
2	510	R	0805	9334637	R1, R40	Resistor
29	8.2k	R	0805	2074518	R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30	Resistor - Parts designators on PCB have been removed
1	DHT11/22	Temperature sensor	/	/	JP3	Temperature sensor - DHT11/DHT22 - Optional - You can get it at elecrow
30	FMMTA42	FMMTA42	SOT23	9526277	U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31, U32	NPN Silicon planar high voltage transistor - Parts designators on PCB have been removed
4	IN-1	IN-1	/	/	N1, N2, N3, N4	IN-1: large numeric topview nixie tube - I used Siberian shop (http://www.siberian-shop.com/)
1	IRF730	IRF730	TO220	8648433	Q2	N-channel MOSFET
1	LM2937	LM2937	TO263-3	1469066	IC1	LM2937-3.3V Voltage regulator
1	NE555D	NE555D	SOIC8	9589880	U2	Timer
1		POWER JACKPTH LOCK		1608727	J2	Power Jack (standard one, through hole - found anywhere)
1	STM32F051R4T6	STM32F051R4T6	LQFP-64	2115069	U1	MCU, 32BIT, ARM CORTEX-M0, 64LQFP
1		Header	1X05	9733400	JP1	Header (you can probably get them cheaper on ebay) - used for programming
1	UF4004	UF4004	DO41-10	1467502	D1	Diode

You will also need:

- Power supply (9V). Farnell order code: 2451882
- PCB manufacturer. I always use Elecrow (<http://www.elecrow.com/>)

Approximate cost:

Electronic components (without nixies and power supply) = around 40€ (+5€ shipping)

Nixies = around 10€ (+20€ shipping)

PCB Manufacture = around 15€ (+15€ shipping)

Temperature sensor = around 7€ (shipping included with PCB manufacture)

Power supply = around 9€ (shipping included with electronic components)

Total cost = around 80€ (around 120€ with shipping)