List of Materials

Hardware Components

Nr	Name	Provider	Quantity	Price [€]	Total Price [€]
1	Espressif ESP32 DevKitC	pt.mouser	2	8.73	17.76
2	Heart rate sensor module	ISEP	1	0	0
3	HTU21D-F Temperature & Humidity Sensor	pt.mouser	1	13.93	13.93
4	SGP30 -eCO$_2$ and VOC	botnroll	1	22.95	22.95
5	MAX4466 - Microphone sensor	pt.mouser	1	6.07	6.07
6	DFPlayer - MP3 mini player	electrofun	1	5.45	5.45
7	Mini Speaker	botnroll	1	1	1
8	BreadBoard	ISEP	2	0	0
9	Jumper Wires Pack - M/M	ISEP	1	0	0
10	Jumper Wires Pack - M/F	ISEP	1	0	0
11	Male Headers Pack- Break-Away	ISEP	1	0	0
12	5V Battery	Electrofun	1	5.5	5.5
13	5V, 2A Power Supply	Electrofun	1	6.8	6.8
14	Micro SD card 16GB [135]	botnroll	1	6.5	6.5
Total:	85.96 €				

Summary

Components	Price [€]
Hardware Components	85.96 €
Pillow (+case)	0.55 €
Home station	0.38 €
Sock and case sensor	0.09 €
Total:	**86.98 €**

Pillow (+case)

Nr	Material			Weight [g]	Estimated price [€]
1	Memory foam			200	0.46
2	Cotton textile impregnated with PP to make it waterproof (layer around foam)			-	-
3	100% Cotton textile for outside layer			-	-
4	Polylactide (PLA) (sensor case)			20	0.086
Total:	0.55 €				

Home station

Nr	Material			Weight [g]	Estimated price [€]
1	Abs			150	0.375
Total:	0.38 €				

Sock and case sensor sock

Nr	Material		Quantity	Weight [g]	Estimated price [€]
1	ABS (sensor head)		-	25	0.063
2	Polyisoprene rubber (IIR)		-	10	0.0205
3	Torx head screw M1.2*1.6		4	2	0.002
Total:	0.09 €				

This are only materials, no production costs. The production costs are not calculated in the price, this is for a later stadium when the complete product is done.