

Class 1MCT2
 First Name: Bart
 Name: Roels
 Project Name: Gass-Scale
 Assembly Revision: 1
 Approval Date: _____
 Part Count : 22
 Total Cost : €206



Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost
1	Raspberry Pi 4 Model B 2GB RAM	Raspberry Pi to control the entire system	1	1	https://www.kiwi-electronics.nl/en/raspberry-pi-4-model-b-2gb-4267?src=raspberrypi	https://elektronicavoorjou.nl/product/raspberry-pi-4-model-b-2gb/#behuizing	€	54,95	€	54,95
	Samsung microSDHC PRO Endurance 32GB 100MB/s + SD Adapter	SD card to for raspberry pi	1	1	https://www.coolblue.be/en/product/811909/samsung-microsdhc-pro-endurance-32gb-100mb-s-sd-adapter.html	https://www.bol.com/nl/nl/p/samsung-pro-endurance-micro-sdhc-32gb-met-adapter-mb-m32g/920000092589746/?s2a=#productTitle	€	21,99	€	21,99
	Okdo Raspberry Pi Power Supply, USB Type C with EU Plug Type, 1.5m	Power supply for raspberry Pi	1	1	https://benl.rs-online.com/web/p/raspberry-pi-power-supplies/2023763?cm_mmc=BE-PLA-DS3A-_-google-_-CSS_BE_NL_Raspberry_Pi_%26_Arduino_%26_Development_Tools_Whoop-_-/BE/Whoop/4/Bearham/Dia/Dovera/Sunline-2023763&mtchbms=8pla	https://benl.rs-online.com/web/p/raspberry-pi-power-supplies/1873417?cm_mmc=BE-PLA-DS3A-_-google-_-CSS_BE_NL_Raspberry_Pi_%26_Arduino_%26_Development_Tools_Whoop-_-/BE/Whoop/4/Bearham/Dia/Dovera/Sunline-1873417&mtchbms=8pla	€	7,91	€	7,91
	Assembled Pi T-Cobbler Plus - GPIO Breakout	Breakout board raspberry pi	1	1	https://www.hobbyelectronics.nl/product/t-cobbler-plus-module?gclid=Cj0KCQIA95aRBhCsARIsAC2xvfx8FMq4dqZgWa3pk2HbgTQ30D-w6pH_3OdY0mF8MwWj9XL6WLy-UaAhDHEALw_wcB	https://www.sossolutions.nl/assembled-pi-t-cobbler-plus-gpio-breakout	€	3	€	3,00
	Load cell - 10 kg straight bar	Load cell sensor	1	1	https://www.gotron.be/load-cell-10-kg-straight-bar.html	https://www.sparkfun.com/products/13329	€	9,5	€	9,50
	HX711 Load Cell versterker	Load Cell Amplifier	1	1	https://www.otronic.nl/a-64988178/sensors/hx711-weegcel-versterker-module/	https://www.vdrelectronics.com/p/hx711-load-cell-versterker-voor-gewichtsmeting	€	1,79	€	1,79
	RFID-RC522 NFC Kit MFRC522 S50 Mifare incl. RFID Fudan Card en Key Tag	RFID card to identify pilot	1	1	https://www.vdrelectronics.com/p/13.56mhz-rfid-kit-lezen-en-schrijven-mfrc522	https://www.otronic.nl/a-60634400/rfid-nfc/rfid-rc522-nfc-kit-mfrc522-s50-mifare-incl-rfid-fudan-card-en-key-tag/	€	3,95	€	3,95
	RFID Tag sleutelhanger 13,56Mhz 1K S50 Mifare Classic blauw	Extra RFID tags to identify pilots	1	3	https://www.vdrelectronics.com/p/13.56mhz-rfid-kit-lezen-en-schrijven-mfrc522	https://www.otronic.nl/a-61788149/rfid-nfc/rfid-tag-sleutelhanger-13-56mhz-1k-s50-mifare-classic-blauw/	€	0,75	€	2,25
	100 Weerstanden set 10 soorten 1/4 Watt / 1%	Resistors to protect sensors	1	1	https://www.otronic.nl/a-60343181/weerstanden/100-weerstanden-set-10-soorten-1-4-watt-	https://www.vdrelectronics.com/p/weerstanden-set-600-stuks-metaalfilm-30-waardes	€	2,99	€	2,99
	Dupont Jumper kabels 40 stuks (Male-Female) 20cm draadbruggen voor Breadboard	Cabels to connect sensors	1	1	https://www.otronic.nl/a-60558837/draden-en-kabels/dupont-jumper-kabels-40-stuks-male-female-20cm-draadbruggen-voor-breadboard/	https://www.vdrelectronics.com/p/10-stuks-dupont-jumper-kabels-20cm-male-naar-female	€	2,99	€	2,99
	Breadboard 270 gaats hoge kwaliteit	Breadboard to connect sensors	1	1	https://www.otronic.nl/a-65503882/prototyping/breadboard-270-gaats-hoge-kwaliteit/	https://www.bol.com/nl/nl/p/otronic-breadboard-270-gaats-hoge-kwaliteit/9300000056245401/?Referrer=ADVNLGOO02013-G-137016892532-S-1075852962858-	€	3,49	€	3,49
	1602 LCD blauw backlight met I2C voorgesoldeerd	LCD screen	1	1	https://www.otronic.nl/a-60954836/displays/1602-lcd-blauw-backlight-met-i2c-voorgesoldeerd/	https://www.otronic.nl/a-60954836/displays/1602-lcd-blauw-backlight-met-i2c-voorgesolde	€	9,99	€	9,99
	Load cell - 10 kg straight bar	Load cell sensor	1	1	https://www.gotron.be/load-cell-10-kg-straight-bar.html	https://www.sparkfun.com/products/13329	€	9,5	€	9,50
	1602 LCD blauw backlight met I2C voorgesoldeerd	LCD screen	1	1	https://www.otronic.nl/a-60954836/displays/1602-lcd-blauw-backlight-met-i2c-voorgesoldeerd/	https://www.otronic.nl/a-60954836/displays/1602-lcd-blauw-backlight-met-i2c-voorgesolde	€	9,99	€	9,99
	Digitale WS2812b	Ledstrip	1	1	https://www.ledstripkoning.nl/speciale-leds/dreamcolor-ws2811-led-strips/digitale-ws2812	https://www.tinytronics.nl/shop/en/lighting/led-strips/led-strips/ws2812b-digital-5050-rgb-led	€	24	€	24,00
	Anti vandaal drukknop - vlak 2A/36VDC D:19mm	Buttons	1	3	https://www.gotron.be/componenten/schakelmateriaal/schakelaars-en-drukknoppen/drukknop-metaal/anti-vandaal-drukknop-vlak-2a-48vdc-d-19mm-off-on.html	https://www.conrad.be/nl/p/apem-av0630c900-vandalismebestendige-druktoets-48-v-dc-0	€	3,75	€	11,25
	DC-stekker 5,5x2,1mm mannelijk met schroefconnector	DC connector	1	1	https://www.gotron.be/componenten/connectoren/dc-stekker/dc-stekker-5-5x2-1mm-manr	https://www.applamp.nl/dc-55-mm-jack-female-naar-schroefklem-adapter.html?gclid=Cjw	€	1,5	€	1,50

Universele AC/DC voeding 5v, 2.25A

Adaptor for ledstrip

€ 24,99

1 1 <https://www.allekabels.be/universele-adaptor/5784/1098351/universele-ac-dc-adapter.htm> <https://www.allekabels.be/ac-dc-adapter/7207/3223332/ac-dc-adapter-met-verwisselbare->

€ 24,99

Total

€ 22,00

€

€ 206,03