










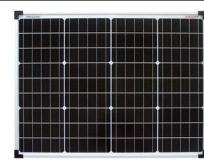









## complete bill of material - sensoLAB






no.	image	amount	name	specification	avg.price (€)	source	link
1		1	Flachdachständer / pole stand	1x1m , 1m length of pole	40,00 EUR	ebay	<a href="#">click</a>
2		4	Betonplatte / concrete plate	50x50cm, 4cm thickness	3,00 EUR	local hardware store	<a href="#">click</a>
3		8	DN110 angle 45°	DN110 HT	2,00 EUR	local hardware store	<a href="#">click</a>
4		1	DN110 Muffe	DN110 HT	2,00 EUR	local hardware store	<a href="#">click</a>

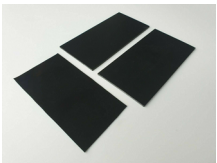


5		5	DN110 Deckel / cap	DN110 HT	1,00 EUR	local hardware store	<a href="#">click</a>
6		3	DN110 Rohr / tube	DN110 HT 500mm	2,00 EUR	local hardware store	<a href="#">click</a>
7		3	DN110 Rohr / tube	DN110 HT 250mm	2,00 EUR	local hardware store	<a href="#">click</a>
8		1	DN110 Reinigungsrohr / cleaning tube	DN110 HT	8,00 EUR	local hardware store	<a href="#">click</a>

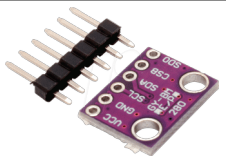

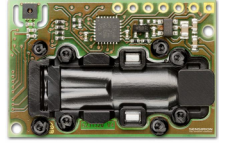
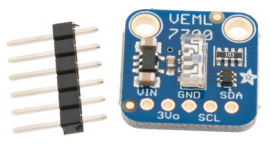
9		6	threaded rod	M8 1000mm, stainless steel	5,00 EUR	local hardware store	<a href="#">click</a>
10		8	Rohrschelle klein		1,50 EUR	local hardware store	
11		8	Rohrschelle groß		2,00 EUR	local hardware store	
100		1	solar panel	12V, 50W with cables	50,00 EUR	ebay/amazon	

110		1	solar panel regulator	12V MPPT	20,00 EUR	ebay/amazon	<a href="#">click</a>
120		1	12V battery	12V / 12Ah	30,00 EUR	ebay/amazon	<a href="#">click</a>
130		1	cable red	6qmm, red, 1m	4,00 EUR	ebay/amazon	
140		1	cable black	6qmm, black 1m	4,00 EUR	ebay/amazon	

150		1	solar cable connector	female	2,00 EUR	ebay/amazon	<a href="#">click</a>
160		1	solar cable connector	male	2,00 EUR	ebay/amazon	<a href="#">click</a>
170		1	pole mounting box		25,00 EUR	WLAN-shop24	<a href="#">click</a>

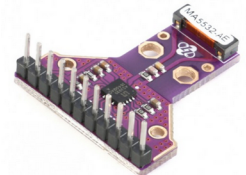
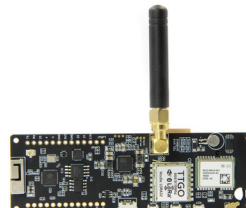


200		10	plastic flowerpot coaster	perimeter=130mm, height=10mm, white	15,00 EUR	ebay/amazon	<a href="#">click</a>
210		1	threaded rod	M3x1000mm , stainless steel	4,00 EUR	local hardware store	<a href="#">click</a>
220		6	M3 nut	stainless steel	1,00 EUR	local hardware store	
230		35	washer 3,2x10	Stainless steel	1,00 EUR	Local hardware	
240		1	acrylic tube	3mm/5mm, 1000mm, transparent	4,00 EUR	ebay/amazon	<a href="#">click</a>



250		5	Kabelverschraubung	PG7 10mm	5,00 EUR	reichelt.de	<a href="#">click</a>
260		2	rubber mat for sealings	200x300mm, 1mm thick, black	4,00 EUR	ebay/amazon	<a href="#">click</a>
270		1	acrylic dome	100mm	14,00 EUR	ebay (www.acrylhaus.com)	<a href="#">click</a>
280		1	acrylic ronde	130mm/4mm	5,00 EUR	ebay	<a href="#">click</a>
290		1	housing ventilation plug	M12	5,00 EUR	www.tme.eu	<a href="#">click</a>

300		1	BME280 breakout	PCB with mounting holes, GY-BME280 (3.3V)	5	ebay/amazon	<a href="#">click</a>
310		1	SPS30 sensor	Sensirion	38,00 EUR	sos-electronic / olanis	<a href="#">click</a>
320		1	SCD30	Sensirion	45,00 EUR	sos-electronic / olanis	<a href="#">click</a>
330		1	VEML7700		10,00 EUR	olanis	



340		1	VEML6070		10,00 EUR	olanis	
350		1	ADS1115		7,00 EUR	olanis	
360		1	anemometer	Output 0-3V	70,00 EUR	ebay/alibaba	
370		1	wind direction	Output 0-3V	60,00 EUR	ebay/alibaba	
380		1	rain gauge		30,00 EUR	ebay/alibaba	
390		1	Niederschlagsensor		10,00 EUR	ebay	
400		1	I <sup>2</sup> S microphone		10,00 EUR	ebay	

410		1	AS3935	I <sup>2</sup> C connection	20,00 EUR	ebay	
420		1	TTGO T-Beam	V1.1, 868MHz (EU)	30,00 EUR	ebay	
430		1	Battery 18650	3.7V	6,00 EUR	ebay	
440		1	antenna pigtail	SMA	3,00 EUR	ebay	

450		1	antenna	For 868MhZ, SMA connector	9,00 EUR	ebay	
460		1	MicroUSB cable	Power cable, 15cm DeLock	3,00 EUR	ebay	
				total	624,50 EUR		
500		1	LoRaWAN Gateway	Kit with antenna, gateway and power supply	280,00 EUR	ebay	
				total with gateway	904,50 EUR		