Parts List Windsensor WiFi 1000 (C) Norbert Walter 2018



Position	Amount	Item	Material		
Dokumentation					
1	1	Technical Description			
2	1	Assembly Instruction			
3	1	Setup Guide			
4	1	Board Circuit Diagram			
5	1	Cabling Diagram			
6	1	Parts List			
7	1	Software & Documentation (CD)			
3D-Parts					
8	3	Cup	PLA		
9	1	Frame	PLA		
10	1	Cup Rotor	PLA		
11	1	Vane Rotor	PLA		
12	1	Vane Arm	PLA		
13	1	Vane Head	PLA		
14	i	Magnet Holder	PLA		
		magnet rielael			
Mechanical F					
15	1	Balance Weight	V4A Steel		
16	1	Stator	Aluminium		
17	1	Magnetic Shield	Tinplate		
18	1	Mounting Support	Aluminium		
19	1	Shim M10	V4A Steel		
20	1	Washer M10	V4A Steel		
21	1	Hexagon Nut M10	V4A Steel		
22	2	Ball Bearing 608ZZ	V4A Steel		
23	1	Aluminium Pipe D10mm, 300 mm	Aluminium		
24	1	Threaded Rod M3x80	V4A Steel		
25	2	Socket Cap Screw M3x8	V4A Steel		
26	1	Socket Cap Screw M3x10	V4A Steel		
27	1	Shim M3	V4A Steel		
28	2	Washer M3	V4A Steel		
29	3	Socket Set Screw M3x4	V4A Steel		
30	1	Shim M6	Nylon		
31	1	Magnet D3x6mm	Neodym		
32	1	Magnet D3x3mm	Neodym		
33	1	Reflective Film red	PVC		
34	1	Reflective Film white	PVC		
Electronic Components					
35	1	Circuit Board, assembled incl. SW	FR4 1mm		
36	1	8pol. Cable D5x 800 mm	CAT5e		
37	2	DC/DC-Converter	·		
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Assembly Aids	Position	Amount	Item	Material
Silicone Oil / Fine Oil	Assembly A	ids		
Clear Coat for paintable Hard Plastics, e.g. Dupli-Color			Cleaning Alcohol	
Acrylic Adhesive, e.g. Weicon RK-1300	39	1	Silicone Oil / Fine Oil	
Adhesive Tape	40	1	Clear Coat for paintable Hard Plas	tics, e.g. Dupli-Color
43	41	1	Acrylic Adhesive, e.g. Weicon RK-	1300
A4	42	1	Adhesive Tape	
Superglue	43	4	Q-Tip	
Tools	44	1	cable tie, width 4-6mm	
Tools	45	1	9V Battery PP3	
1	46	1	Superglue	optional
Stanley Knive / Scalpel Hex Key Wrench M3	Tools			
Hex Key Wrench M3	47	1	Tweezers	
Hex Key Wrench M3	48	1	Stanley Knive / Scalpel	
51 1 Spanner M5.5 52 1 Spanner M17 53 1 Spanner M22 54 1 Fine Pliers 55 1 Wirecutting Pliers 56 1 Electronics Soldering Iron 57 1 Tin Soldering Wire 58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	49	1		
52 1 Spanner M17 53 1 Spanner M22 54 1 Fine Pliers 55 1 Wirecutting Pliers 56 1 Electronics Soldering Iron 57 1 Tin Soldering Wire 58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	50	1	Hex Key Wrench M2	
Spanner M22	51	1	Spanner M5.5	
54 1 Fine Pliers 55 1 Wirecutting Pliers 56 1 Electronics Soldering Iron 57 1 Tin Soldering Wire 58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	52	1	Spanner M17	
Software Software	53	1	Spanner M22	
56 1 Electronics Soldering Iron 57 1 Tin Soldering Wire 58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	54	1	Fine Pliers	
57 1 Tin Soldering Wire 58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	55	1	Wirecutting Pliers	
58 1 Screwdriver small 59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	56	1	Electronics Soldering Iron	
59 1 Digital-Multimeter 60 1 Desoldering Braid optional 61 1 Oscilloscope optional Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	57	1	Tin Soldering Wire	
60 1 Desoldering Braid optional optional optional optional 61 1 Desoldering Braid optional optional Software 62 1 Firmware Windsensor optional optional optional optional Arduino IDE V1.8.5 optional optional optional optional optional USB/Serial Converter 3.3V optional	58	1		
Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional		1		
Software 62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional		1		•
62 1 Firmware Windsensor optional 63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	61	1	Oscilloscope	optional
63 1 Arduino IDE V1.8.5 optional 64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	Software			
64 1 Laptop/PC optional 65 1 USB/Serial Converter 3.3V optional	62	1	Firmware Windsensor	optional
65 1 USB/Serial Converter 3.3V optional	63	1	Arduino IDE V1.8.5	optional
<u> </u>	64	1	Laptop/PC	optional
66 1 USB Cable optional	65	1	USB/Serial Converter 3.3V	optional
	66	1	USB Cable	optional