Parts List Windsensor WiFi 1000

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	1	☐	Magnet Holder	PLA
Mechanical Parts				
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				
38	1	☐	Cleaning Alcohol	
39	1	☐	Silicone Oil / Fine Oil	
40	1	☐	Clear Coat for paintable Hard Plastics, e.g. Dupli-Color	
41	1	☐	Acrylic Adhesive, e.g. Weicon RK-1300	
42	1	☐	Adhesive Tape	
43	4	☐	Q-Tip	
44	1	☐	cable tie, width 4-6mm	
45	1	☐	9V Battery PP3	
46	1	☐	Superglue	optional
Tools				
47	1	☐	Tweezers	
48	1	☐	Stanley Knive / Scalpel	
49	1	☐	Hex Key Wrench M3	
50	1	☐	Hex Key Wrench M2	
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
66	1	☐	USB Cable	optional