

PG MEASUREMENT REPORT

MEASUREMENT OF FLIGHT TEST SAMPLE

TEST REPORT PG4

Report number : **PG_1319.2018**
 Manufacturer : **Sky Paragliders**


Sample name: **Aeon L**
 S/N: **2351-11-0579**

Execution date: **28.05.2018**
 Responsible: **Claude Thurnheer**

Execution place: **Villeneuve**
 Linked: **ISO 71.8.1**

TOTAL LINE LENGTH WITH RISER [mm]																	Main brake line diff color than A,B,C main line?		Yes			
Center	A			B			C			D			E			STAB			BRAKES			+strap
	Manual	Sample	Diff	Manual	Sample	Diff	Manual	Sample	Diff	Manual	Sample	Diff	Manual	Sample	Diff	Manual	Sample	Diff	Manual	Sample	Diff	
1	7860	7856	-4	7825	7822	-3	7891	7881	-10							6873	6866	-7	8162	8166	4	
2	7792	7792	0	7756	7752	-4	7825	7818	-7							6866	6857	-9	7867	7876	9	
3	7764	7764	0	7725	7724	-1	7796	7788	-8							6899	6894	-5	7715	7725	10	
4	7793	7794	1	7751	7747	-4	7826	7815	-11										7705	7712	7	
5	7731	7730	-1	7691	7686	-5	7769	7758	-11										7584	7592	8	
6	7659	7657	-2	7619	7616	-3	7694	7686	-8										7477	7485	8	
7	7608	7604	-4	7564	7561	-3	7641	7631	-10										7432	7440	8	
8	7613	7612	-1	7571	7570	-1	7639	7632	-7										7495	7502	7	
9	7438	7437	-1	7428	7426	-2													7417	7424	7	
10	7331	7332	1	7321	7319	-2													7359	7369	10	
11	7192	7190	-2	7181	7177	-4													7349	7354	5	
12	7140	7137	-3	7122	7116	-6													7388	7393	5	
13	6946	6940	-6																			
14																						
15																						
16																						
17																						
18																						

Tolerance line | [mm] **10**

MEASUREMENT TOTAL RISER LENGTH [mm] Inner edge										
Total length risers (with carabiners)	Risers	trim	accel	Total length risers (without carabiners)	Risers	trim	accel	Number of risers : 3	Tolerance [mm]: 5	Stabilo line attached to Risers : B
	A	534	371		A	505	342			
	A'	536	399		A'	507	370			
	B	535	423		B	506	394			
	C	535	535		C	506	506			
	D				D					
Acc.	163	*[mm]	Acc.	163	*[mm]	* Travel range (distance btw A to rear riser)	Carabiner I [mm] 29	Tolerance [mm]: 2	Speed system configuration max travel in flight: TOUCH	
Trimmer	n/a	[mm]	Trimmer	n/a	[mm]					
							Number of cell: 70	Weight of glider [kg] 4.78		

MEASUREMENT DATA											
Plausibility check before measurements [mm]:				500 500	10000 10001	Pressure 973.2 [hPa]				Another trim dispositive: No	
Remark: N/A				Humidity 54 [%]				If yes (description):			
				Temperature 23.1 [°C]							

MEASUREMENT DIRECTIVE

Total length measured from the underside of the wing to the inner edge of the risers base with a tension of 50 [N].

Laser distance meter [Leica DISTO D3a BT 911110352] **Validity** 07.04.2018 **Uncertainty of measurement:** 3.00 [mm]

AT LMS [Line measurement system] **Validity** 07.04.2018 **Measured values do not include the uncertainty / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.**