

PG MEASUREMENT REPORT

MEASUREMENT OF FLIGHT TEST SAMPLE

TEST REPORT PG4

Report number : **PG_1379.2018**
 Manufacturer : **Sky Paragliders**

Sample name: **Aeon XL**
 S/N: **2357-11-1086**

Execution date: **24.08.2018**
 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	8095	8094	-1	8058	8056	-2	8127	8115	-12							7079	7066	-13	8369	8364	-5	
2	8025	8026	1	7988	7984	-4	8059	8049	-10							7072	7062	-10	8066	8062	-4	
3	7996	7997	1	7956	7955	-1	8029	8021	-8							7106	7096	-10	7909	7907	-2	
4	8026	8028	2	7983	7977	-6	8059	8047	-12										7899	7897	-2	
5	7963	7963	0	7921	7916	-5	8001	7992	-9										7776	7774	-2	
6	7888	7885	-3	7846	7843	-3	7924	7913	-11										7666	7661	-5	
7	7836	7834	-2	7791	7786	-5	7869	7860	-9										7619	7619	0	
8	7841	7838	-3	7798	7794	-4	7867	7857	-10										7684	7681	-3	
9	7661	7656	-5	7651	7641	-10													7604	7600	-4	
10	7551	7541	-10	7541	7533	-8													7544	7539	-5	
11	7407	7397	-10	7396	7388	-8													7534	7533	-1	
12	7354	7343	-11	7336	7327	-9													7574	7568	-6	
13	7154	7141	-13																			
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	536	373		A	507	344			
	A'	540	392		A'	511	363			
	B	538	411		B	509	382			
	C	533	533		C	504	504			
	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] 4.58		

MEASUREMENT DATA										
Plausibility check before measurements [mm]:		500	500	10000	10001	Pressure	973.5 [hPa]	Another trim dispositive: No		
Remark:		N/A		Humidity	58 [%]	If yes (description):				
				Temperature	24 [°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%.**