

PG MEASUREMENT REPORT

MEASUREMENT OF FLIGHT TEST SAMPLE

TEST REPORT PG4

Report number : **PG_1313.2018**
 Manufacturer : **Sky Paragliders**


Sample name: **Aeon M**
 S/N: **2351-11-0575**

Execution date: **23.04.2018**
 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	
	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	
Center	1	7671	7673	2	7635	7635	0	7701	7696	-5						6708	6699	-9	7913	7918	5	
	2	7605	7608	3	7569	7570	1	7636	7630	-6						6701	6697	-4	7626	7635	9	
	3	7577	7579	2	7539	7534	-5	7608	7604	-4						6733	6731	-2	7477	7486	9	
	4	7605	7605	0	7564	7558	-6	7637	7632	-5									7468	7478	10	
	5	7546	7544	-2	7506	7504	-2	7581	7577	-4									7353	7360	7	
	6	7475	7470	-5	7435	7435	0	7509	7504	-5									7248	7254	6	
	7	7425	7423	-2	7383	7379	-4	7457	7453	-4									7203	7208	5	
	8	7430	7429	-1	7389	7382	-7	7455	7448	-7									7265	7271	6	
	9	7259	7255	-4	7251	7248	-3												7188	7201	13	
	10	7155	7152	-3	7146	7144	-2												7131	7139	8	
Wing tip	11	7019	7015	-4	7009	7005	-4											7122	7131	9		
	12	6969	6960	-9	6952	6945	-7											7160	7164	4		
	13	6779	6772	-7																		
	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	Speed system configuration max travel in flight: TOUCH
	A	533	368		A	504	339				
	A'	536	394		A'	507	365				
	B	536	417		B	507	388				
	C	534	534		C	505	505				
	D				D						
Acc.	165	*[mm]	Acc.	165	*[mm]	* Travel range (distance btw A to rear riser)	Carabiner I [mm] 29	Tolerance [mm]: 2	Number of cell: 70	Weight of glider [kg] 4.58	
Trimmer	n/a	[mm]	Trimmer	n/a	[mm]						

MEASUREMENT DATA												
Plausibility check before measurements [mm]:			500	500	10000	10001	Pressure	973.5 [hPa]	Another trim dispositive:	No	If yes (description) :	
Remark:	N/A						Humidity	43 [%]				
							Temperature	29.8 [°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%.	