

6.2.1 Aircraft Weighing Report

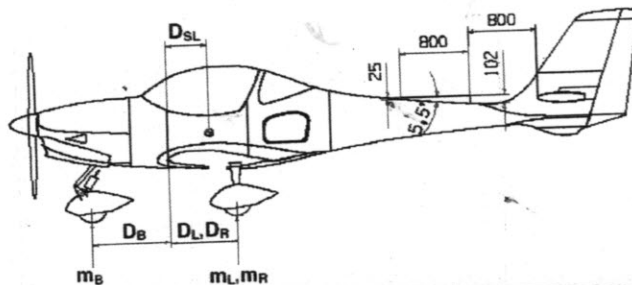
Model: AT01 Serial No: AT01- 203 Registration No: PH-DHB

Data in accordance with AFM
Reference Datum:
Horizontal Reference Line:

Occasion for Weighing: Repair
Leading edge of wing root rib.
Place a wedge (5.5°) on fuselage tube as shown in the sketch below and level out the a/c in its longitudinal axis using a spirit level.
Including brake fluid, engine oil, coolant and unusable fuel (10.4 litres).

Weighing Configuration:

Effective Equipment List - dated: 03.05.2012



Position	Gross [Kg]	Tare [Kg]	Net Mass [Kg]	Lever Arm [m]
Nose wheel			$m_B = 112$	$D_B = -0,824$
Left main wheel			$m_L = 194$	$D_L = + 0,783$
Right main wheel			$m_R = 223,5$	$D_R = + 0,778$
Instruments			$m_I = 0$	$D_R = + 0,000$
Empty Mass $m_{empty} = m_B + m_L + m_R + m_I = 529,5$ (Kg)				

Empty Mass Moment: $MO_{empty} = m_B * D_B + m_L * D_L + m_R * D_R + m_I * D_I = 233,50$ [Kgm]

Empty Mass C.G. position: = Empty Mass Moment / Empty Mass = $D_{CG} = MO_{empty} / m_{empty} = 0,441$ [m]

Maximum Usable Load	+	MTOW [Kg]	+	750
	-	Empty Mass [Kg]	-	529,5
	=	Max. Usable Load	=	220,5 Kg

Data for Entering in the Airplane Flight Manual Para. 6.3.

Empty Mass [Kg]	529,5	Empty Mass Moment [Kgm]	233,50
Location / Date	Schönhausen, 28.01.2016	Stamp:	Signature:
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