









Sensors and variables

SENSORS 		ENCODERS				FORCE SENSOR 	JUMP MAT 	PHOTOCELLS 
		LINEAL 	ROTATION 	FRICTION 	RACE ANALYZER 			
VARIABLES	Mean Force	x	x	x	x	x		
	Propulsive Mean Force	x	x	x				
	Instantaneous Force	x	x	x	x	x		(Sprint)
	Maximum Force	x	x	x	x	x		(Sprint)
	T -> F max	x	x	x		x		
	Mean RFD	x	x	x		x		
	Instantaneous RFD					x		
	RFD max					x		
	K				x	x		
	Force Variability					x		
	tau				x	x		
	Mean Speed	x	x	x	x	(Elastic)		x
	Propulsive Mean Speed	x	x	x				
	Instantaneous Speed	x	x	x	x	(Elastic)	(At the take off)	(Sprint)
	Maximum Speed	x	x	x	x	(Elastic)		(Sprint)
	T -> max Speed	x	x	x				
	Mean Power	x	x	x	x	(Elastic)	x	
	Propulsive Mean Power	x	x	x				
	Instantaneous Power	x	x	x	x	(Elastic)		
	Maximum Power	x	x	x	x	(Elastic)	x	(Sprint)
	T -> P max	x	x	x	x			
	RPD	x	x	x				
	Stiffness						x	
	Jump high	x					x	
	Flight Time						x	
	Contact Time						x	
	Time	x	x	x	x	x	x	x
	Distance	x	x	x	x	(Elastic)		x
Impulse	x	x	x		x			
Work	x	x	x					
FEATURES	Concentric evaluation	x	x	x		x		
	Eccentric evaluation	x	x	x		x		
	Isometric evaluation					x		
	Difference between Lateralties	x	x	x		x	x	
	Automated repetition detection	x	x	x		x		
	Graphs and statistics	x	x	x	x	x	x	x
	Synchronization with external signals	x	x	x	x	(Soon)		
	Complementary recording video	x	x	x	x	x	x	x
	Feedback during exercise	x	x	x		x	x	
	Creation of any kind of exercise	x	x	x	x	x	x	x
	Data exportation	x	x	x	x	x	x	x
	Connectivity with Chronojump Networks	x	x	x		x		x

* All devices connect to free Chronojump Software running on any of the three operating systems (Windows, Mac and Linux).