

Equipment	Basic specifications	Parameters	Unit of measure
	Battery life when the device is switched on without an external power source	min. 25	day (24 hours)
	The internal memory of the device for data storage	min. 180	day (24 hours)
	Internal memory size	min. 4	GB
	Sampling frequency	min. 30 až 100	Hertz
	Accelerometer	Yes	-----
	Allowing wear on the human body	Wrist, waist, Ankle, thigh	-----
	Communication interface	USB 2.0 or higher and Bluetooth® LE	-----
	Communication interface of the docking station	USB 2.0	-----
	Water resistance	min. IPX7	-----
	Display	without display	
	Recording the type of physical activity		
	Total movement	Yes	-----
	Moderate to vigorous physical activity (MVPA)	Yes	-----
	Purely physically active time without the so-called sedentary inactive time	Yes	-----
	Number of steps	Yes	-----
	Energy output	Yes	-----
	Technological features		
	Continuous and accurate recording of the time-varying acceleration of an individual's movement	0,05 až 2,5	G (gravitational acceleration)
	Analog-to-digital converter (ADC), 12-bit module	Yes	-----
	ADC frequency	min. 30 - 100	Hertz
	Accelerometer digital filter	Yes	
	Accelerometer digital filter range	0,05 až 2,5	G (gravitational acceleration)
The possibility to specify an interval for monitoring the entered parameters of physical activity	Yes	-----	
Counting samples during a specified interval	Yes	-----	
Dimensions and use of the Actigraph			
Mass	max. 27	Gramme	
Dimensions	max. 3,8 x 3,7 x 1,8	cm (centimeter)	
Measurement of physical activity during:		-----	
a) Wearing around the waist	min. activity counts, step counts, energy consumption, activity levels	-----	
b) Wearing around the wrist of the upper limb	min. activity counts, step counts, energy expenditure, activity levels, sleep/wake, sleep onset time, and sleep efficiency	-----	
Actigraph power source			
Actigraph power source material	lithium-polymer	-----	
Rechargeable battery	Yes	-----	
Number of charge cycles	min. 250	-----	
Charging with micro USB connected to charging hub			
Charging the power source of the	USB 2.0 or higher	-----	
Actigraph with Charging time	max. 3	hour	
Actigraph storage properties			

	Flash memory (non-volatile, maintains content even without the need for a power source)	min. 4	MB
	The internal memory of the data storage device	min. 365	day (24 hours)
	Internal memory size	min. 4	GB
	In the event of a complete loss of power, the data is safely stored and accessible by connecting the unit to the USB port.	-----	