



Professional sleep and activity monitoring solutions

Specifications for Actiwatch 2, Actiwatch Spectrum Plus, and Actiwatch Spectrum PRO

Our scientifically-valid Actiwatch systems are designed to provide accurate and objective activity, sleep, wake, and light exposure data. Designed to be comfortable, rugged, and waterproof*, they fit seamlessly into your user's lifestyle. Actiwatch 2 has sleek and compact styling and is ideal for collecting basic sleep and activity data. The Actiwatch Spectrum Plus has a real watch face with date and time capability and advanced sensing capabilities. The Actiwatch Spectrum PRO offers the features of the Actiwatch Spectrum Plus along with multiple subjective response-scoring capabilities. See the matrix on the backside for specific feature comparisons.

PHILIPS

RESPIRONICS

	Actiwatch 2	Actiwatch Spectrum Plus	Actiwatch Spectrum PRO
Dimensions			
Size	43mm x 23mm x 10 mm	48mm x 37 mm x 15 mm	48mm x 37 mm x 15 mm
Weight	16 grams (with band)	31 grams (with band)	31 grams (with band)
Battery			
Battery type	Lithium rechargeable	Lithium Ion rechargeable	Lithium Ion rechargeable
Typical battery life (at 1 minute epochs, activity and light)	30 days	60 days	50 days (with 4 scores per day)
Memory			
Memory size	1 Mbit	32 Mbits	32 Mbits
Memory volatility	All devices: non volatile		
Recording time			
Recording time (at 1 minute epochs, activity and light)	30 days	60 days	50 days (with 4 scores per day)
Sensors and input specs			
Accelerometer type	Solid state piezo-electric	MEMS type accelerometer	MEMS type accelerometer
Accelerometer sampling rate	32 Hz	32 Hz	32 Hz
Light sensor wavelength range	400-900 nm	400-700 nm	400-700 nm
Light measures	Photopic illuminance	Photopic illuminance Irradiance Photon flux	Photopic illuminance Irradiance Photon flux
Number of scoring items	NA	NA	2 items
Numerical score range	NA	NA	0-15 programmable
Score entry options	NA	NA	Manual or prompted
Environmental attributes			
Moisture protection rating	All devices: *waterproof at 1m for 30 min per IPX7 IEC 60529		
Operating system requirements			
Computer OS compatibility	All devices: Actiware: Windows 8, 7, XP and Vista (32 and 64 bit), Actiware CT: Windows XP Professional; 32 and 64 bit versions of Windows 8 (Professional or Enterprise), 7 (Professional or Ultimate), and Vista (Business or Ultimate)		
Computer hardware	All devices: UL 60950-1, IEC60950-1 or CSA C22.2#60950-1 certified IT equipment, 2 GHz or higher process clock speed, keyboard and mouse, USB port		
USB compatibility	All devices: 2.0 or greater		

Please visit www.actigraphy.com

Actiwatch, Actiware, and Respirationics are trademarks of Koninklijke Philips N.V. and its affiliates. All rights reserved.



©2013 Koninklijke Philips N.V. All rights are reserved.

Philips Healthcare reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

CAUTION: US federal law restricts these devices to sale by or on the order of a physician.

Printer SB 9/15/13 MCI 4105813

Philips Healthcare is part of Royal Philips

Respirationics Asia Pacific
+65 6298 1088
Respirationics Australia
+61 (2) 9666 4444
Respirationics Europe, Middle East, Africa
+33 1 47 52 30 00
Respirationics United Kingdom
+44 800 1300 845

Philips Respirationics
920 SW Emkay Dr, Ste 100
Shevlin Corp Park, Bldg C
Bend OR 97702
1 800 685 2999 or
541 598 3800
email: respirationics.minimitter@philips.com