

Seizure Monitors (Night Time Use)– prices and evaluation*

Safety Devices – Questions to Ask

If you are considering a safety device, it is really important to consider the different options carefully. You should seek advice from your doctor or epilepsy specialist before purchase or use.



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These questions are a starting point to help you in your research of the various safety devices on offer:

- Which seizure type or types does this monitor pick up?
- Is this safety device suitable for my type of epilepsy?
- How many or what percentage of seizures is this monitor likely to pick up?
- How often does this monitor give out a false alarm?
- Will this monitor get in the way of my day to day living?
- What is the cost of the monitor?
- What are the potential issues I may experience with this monitor (eg: false alarms, ongoing cost)


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Alarm	Photo	Cost & where to purchase	Advantages	Disadvantages
<p>Emfit Epilepsy Sensor Alarm</p> <p>What it is: A bed sensor that detects a seizure. An alarm is then sounded to carers by a pager or if an adult wishes to retain their independence by living alone the D-1090-2G controller will alert the emergency e-Alert telephone which will automatically dial pre-programmed telephone numbers and give a recorded message to family or 000 that a seizure is taking place.</p>	 	<ul style="list-style-type: none"> • AU \$949.00 (GST free) sensor alarm • Postage AU\$30 <p>Optional extras</p> <ul style="list-style-type: none"> • Personal paging system to notify recipient of seizure AU\$419 (Ideal for group home living) • Replacement sensor only AU\$320 <p>Purchase includes product support via phone from Epi-Assist 24/7.</p> <p>http://www.epiassist.com.au/Epilepsy-Safe-Bed</p> <p><i>Accurate as of November 2020</i></p>	<ul style="list-style-type: none"> • No weight restrictions suitable for children & adults. • The sensor has an audible alarm with adjustable volume. • It is registered as a medical device in Australia. • 24-month warranty. • Emergency e-Alert telephone can automatically dial pre-programmed number. 	<ul style="list-style-type: none"> • Power supply is available and can be purchased as an additional accessory. • It is battery operated. • Personal pager for a family member that lives in another part of a home is available for AU\$419.




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<p>SAMi-3 – The sleep activity monitor</p> <p>What it is: A video-based movement detection system. An infrared camera that detects motions during the night and alerts parents/carers on their apple device (iphone/ipod/ipad) . Events are recorded and archived.</p>		<ul style="list-style-type: none"> • International kit starts from AUD 1490.00, includes SAMi-3 camera, pre-configured 32GB iPod (6th generation), international power adapters and Wi-Fi routers. • iPad kit AUD 1,999.00, includes SAMi-3 camera, pre-configured iPad Mini 4, international power adapters and Wi-Fi routers. • SAMi3 camera on its own is priced at AUD 650.00. <p>https://www.samialertaustralia.com.au/shop</p> <p><i>Accurate as of November 2020</i></p>	<ul style="list-style-type: none"> • Unlike a baby monitor which only detects sound, this detects motion. • It provides high quality, accurate recordings of the detected movement. Recordings are time/date/duration stamped for purpose of documentation, review/evaluation, and communication with your doctor. • Can return within 45 days for a refund if you are not happy with it. 	<ul style="list-style-type: none"> • Needs an Apple device to use it. Will not work with androids. • If your child is a very restless sleeper or shares a bed, or if there is a family pet or service dog sleeping with the child, you may get lots of false alarms. • The camera has visible lights on the front. There is a bright power light which can be easily covered but there is also a ring of dim red lights that cannot be covered as they allow the camera to see in the dark. This might bother some people. • Need good quality Wi-Fi. • It works best with a dedicated apple device as a monitor.
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<p> NightWatch</p> <p>The NightWatch consists of a comfortable wireless armband that closely monitors heart rate and motion while the wearer is lying in bed.</p> <p>When the NightWatch detects movement and a change in heart rate, a warning is transmitted to a caregiver via a wireless signal to the armband's corresponding base station.</p> <p>For additional information</p> <p>info@seizurealertaustralia.com.au</p> <p>03 4313 9829</p>	 	<ul style="list-style-type: none"> • Costs 2,499 AUD • Can be purchased from https://www.seizurealertaustralia.com.au/product/nightwatch/ • More information is available on https://www.nightwatchepilepsy.com/ • This is only for tonic-clonic seizures. • Accredited by the Therapeutic Goods Administration (TGA) as a class 1 medical device. <p>Offers 30 days trial upon request.</p>	<ul style="list-style-type: none"> • The NightWatch claims their product can detect tonic, tonic-clonic, myoclonic cluster, and hypermotor seizures. • The NightWatch Portal (once connected to the internet) can give heart rate and motion data. • The device was tested by Kempenhaeghe epilepsy center and SEIN located in the Netherland. • There is an optional Mobile phone module that can be linked with up to 5 emergency contacts. 	<ul style="list-style-type: none"> • Can send out false alarms. • More studies will need to be done on the device. • It's expensive. • Can only work at night as armband will need to be charged during the day for night time use.
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 <p>The PulseGuard sensor is worn during sleep. It measures the heart rate levels for specific changes. It then sends this information via Bluetooth to the PulseGuard software where it will then alert when a problem is detected.</p> <p>This device was designed to aid people who have epilepsy and heart conditions.</p>	 <p>PulseGuard Mk-II Package</p>  <p>Additional PulseGuard Sensor</p>	<ul style="list-style-type: none"> For pricing and shipping cost please contact Pulseguard at sales@pulseguard.org for a quote. Product is not available for purchase in Australia. 	<ul style="list-style-type: none"> PulseGuard alerts user to a sudden rise or fall in heart rate whilst user is sleeping. Should user experience a rise or fall in heart rate which exceeds the configured parameters, an alert will be sent out. 	<ul style="list-style-type: none"> Not available in AU. Pulseguard is not a medical device. The tablet will need to be a few meters from the sensor. Battery on a fully charged sensor will last 16 hours. Can only be used during the night. As it will need to be charged during the day.
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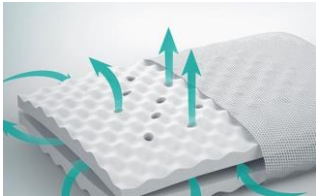

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<p> See other products by Breathe-zy</p> <p>The Breathe-zy Anti-Suffocation Pillow is A Class 1 Medical Device which is designed to be breathable, practical and comfortable, whilst assisting in the prevention of SUDEP.</p> <p>Breathe-zy products are UK designed and manufactured in the UK, this includes all the individual components that make up the products.</p> <p>For more information on SUDEP click on the link below. https://sudep.org/</p>		<ul style="list-style-type: none"> • Available at Seizure Alert Australia. • Priced at \$160.00. • Contact Seizure Alert Australia for more information https://www.seizurealertaustralia.com.au/product/breathe-zy-anti-suffocation-pillow/?add-to-cart=281 	<ul style="list-style-type: none"> • The entire surface of the pillow is breathable, not just certain areas. • UK Government Registered Class I Medical Device • The cover is fully removable and is machine washable. • The whole of the surface of the pillow is breathable, not just certain areas. 	<ul style="list-style-type: none"> • This product does not prevent suffocation.
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 <p>The Sleep-Safe pillow allows for greater breathability than a standard pillow.</p> <p>Sleep-Safe pillow is made from highly porous foam with an open cell structure.</p>	 	<ul style="list-style-type: none"> • Priced at \$205.00. • Available at https://www.doability.com.au/adults/bedroom-aids/mattresses/sleep-safe-anti-suffocation-pillows • Get in touch with Do Ability at 1300 122 355 for more information. <p>SKU: 1SLESSP</p>	<ul style="list-style-type: none"> • UK Government Registered Class I Medical Device 	<ul style="list-style-type: none"> • This product does not prevent suffocation.
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<p>AngelCare Sound & Movement Monitor AC401</p> <p>The sensor pad which is placed under the crib mattress will pick up movements and send an alert to the portable parental unit.</p>		<ul style="list-style-type: none"> • Cost starting from AU\$169.00 plus postage. • Is available for purchase through: <p>Catch.com.au (\$179) Amazon.com.au (\$176.17) Ebay.com.au (\$179.99) Kogan.com (\$169)</p>	<ul style="list-style-type: none"> • Under-the-mattress Sensor Pads detect all baby’s movements • Alarm sounds after 20 seconds if absolutely no movement is detected • Adjustable sensitivity • Battery or AC adapter operated • Optional tic sound to hear baby’s movement • Automatically converts to battery in case of power failure 	<ul style="list-style-type: none"> • Reliability still unknown. • Check with seller on return and change of mind policy.
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<p>Embrace 2 Empatica Watch</p> <p>What it is: A smartwatch that is connected to a person’s mobile via Bluetooth connection which may detect seizures, and can monitor activity levels and sleep quality. When it detects a seizure, it will send alert calls and an SMS to caregiver’s phones.</p>		<ul style="list-style-type: none"> • US\$249 for Embrace2 plus monthly subscription fee. Has 48 hours battery life • Postage not included. • Both watches require a monthly subscription fee. • Can be purchased from https://www.empatica.com/ • It is specifically made to detect only tonic-clonic seizure. • FDA approved for Nocturnal tonic-clonic Seizure only. • Product is not available for purchase in Australia. <p style="text-align: center;">Accurate as of Nov 2020</p>	<ul style="list-style-type: none"> • Looks like any other stylish smartwatch on the market. • The watch can be return within 30 days from delivery. • The order will include a 30 days free trial of Plus Plan. • International buyers do not need a prescription. 	<ul style="list-style-type: none"> • Phone and watch must be within 10 meters of each other. • Is water proof to only 1 meter for 30 mins duration. • User’s phone needs access to the internet. • The watch needs to be charged for 2 hours each day. • The watch may confuse stimming behaviour (repetitive or unusual body movement or noises, like hand flapping or snapping fingers) with a seizure. • You need to connect it to the Alert App or Mate App.
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