



Accelerate your assessment

PAM-RL objective limb activity monitor

The PAM-RL device is an objective activity monitor specifically designed to record and analyze the quantity and frequency of periodic limb movements (PLMs). The compact, ankle-worn device provides a quantifiable method for helping to assess the efficacy of drug formulations, or treatment, for restless legs syndrome (RLS) and other disorders in which PLMs may occur. The PAM-RL correlates highly with polysomnography, but at a fraction of the cost. It also can monitor both legs over multiple nights.

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Objective limb activity monitor

The PAM-RL is a noninvasive, limb-worn, device used in the comfort of a patient's or subject's own home. It allows freedom of movement as there are no leads or tethers. After the data are recovered from the device, they are reviewed and analyzed to determine the frequency and severity of PLM events.

Features:

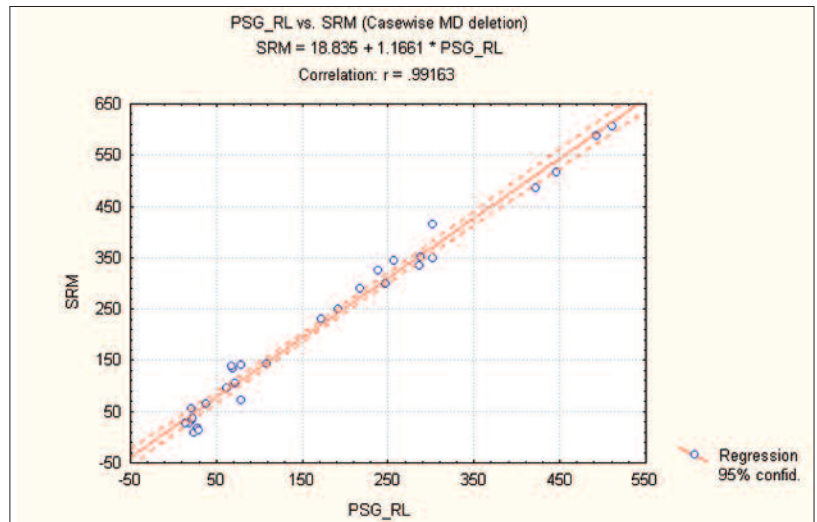
- Non-volatile internal memory; enables 5.2 days (120 hours) of continuous recording
- Body position detector; reports if the wearer is in an upright or recumbent position
- Software application automatically analyzes the recorded data to provide PLMs per hour
- Programmable start-up time
- Leg movements are sampled 40 times per second
- High resolution; 12 bit A/D conversion
- 3-axis x-y-z acceleration sensors
- Direct PC download via smart cable
- Time and intensity value for each leg kick
- Data formatted for export to spreadsheets (.csv format)
- LCD display verifies recording

Specifications

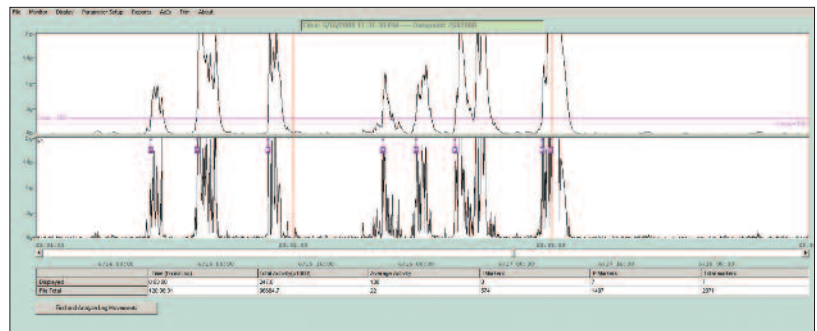
Weight: 58.1 grams with battery; 46.1 grams without battery

Dimensions: 7.6 cm x 5.1 cm x 1.9 cm

Battery: AAA (qty: 1)



Comparisons between total PLMs per night from PSG and the PAM-RL system during sleep (Gorny, et al., 2001). Notice the correlation value of .99163.



For more information about the PAM-RL limb activity monitor, visit: pamrl.respirionics.com

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PrntTech SB 4/24/09 MCI 4102303 PN 1063418

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