

Features

Ascend stairs step over step

Stair ascension is possible due to additional sensory inputs, which allow the user to climb stairs step over step with more natural movements.

Cross obstacles more smoothly

Now everyday obstacles like curbs can be stepped right over—supported by a stable, flexed knee at landing—instead of having to swing the prosthetic leg around.

Walk backwards, forwards—any direction

Genium detects movement in any direction and releases stance independent of body weight, making walking in any direction much more secure.

Stand more easily

With its new Intuitive Stance Function, the Genium can tell when the user is standing and automatically resists further flexion. This allows for a natural distribution of body weight while standing, even on inclines and uneven surfaces.

Sit more naturally

If the user sits for more than 2 seconds (with the thigh parallel to the ground and minimal weight on the leg) the Genium reduces resistance to take a more natural position—and switches to an energy-saving mode!

Genium offers more freedom....and more possibilities:

- **Splash-water resistant.** No need to worry about a spray or two.¹
- **Battery life of 5 days.** More freedom, more peace of mind.
- **5 additional modes.** More choices of activities for the user.
- **Remote control.** Easy and convenient. Includes battery level monitor and step counter.
- **Inductive charging.** Makes charging a snap – and no open charging ports.
- **Built-in protector.** A tough cap at the knee avoids slipping and adds protection.
- **Knee angle up to 135 degrees.** Easier to crouch down or kneel.
- **High weight limit of up to 330 lbs (150 kg).** Now larger users and those who often carry or lift heavy loads can also benefit.
- **A more compact size.** Shorter users and those with longer residual limbs are able to take advantage of this technology.
- **Computer Assisted Alignment (CAA).** CAA helps the prosthetist more quickly align the prosthesis by calculating and visualizing the forces acting on the system and making adjustment and component recommendations. A groundbreaking innovation for fitting success.

1. Genium has been tested and passed the international IPX waterproof specification Level 4. IPX-4 = Protected against splashing water; same as IPX-3 but water is sprayed at all angles. (IPX-3 = Protected against spraying water – Water spraying up to 60 degrees from vertical at 10 liters/min at a pressure of 80-100kN/m² for 5 min.)

IPX information accessed 8 July 2011 from the website

<http://www.lakemartin.com/BoatingWaterproofSpecs.asp>.