

ALFESS™, Functional Electrical Stimulation System

ALFESS™ is a new, innovative solution for foot drop. This device can also be called a Digital Foot Drop Orthosis, FES or Neuro-stimulator. The device assists in lifting the foot when walking, resulting in an improved gait pattern.

The ALFESS device is positioned on the lower limb below the knee. Sensors are strategically applied to the skin, electrical impulses are then sent to the nerves that supply the lower limb muscles and this assists in lifting of the foot. An algorithm compiles information from the sensors, which senses the user's walking speed and angles of their leg.

The shape of the device provides a smooth and comfortable fit and has a magnetic clasp which makes it easy to don and doff and operate with one hand. The device is easy to charge and has been designed to use bilaterally or unilaterally.

After the initial fitting of the product by an Orthotist, the degree of stimulation can be adjusted by the user via the device, the remote control or through a mobile app. Alfess can be set to “walking mode” or “training mode” which allows the user to carry out rehabilitation on their own or together with a physiotherapist.

Recommended Range Of Application

Central Nervous System diagnosis such as: Multiple Sclerosis (MS), Stroke (CVA), Cerebral Palsy (CP), Incomplete Spinal Cord Injury, Traumatic Brain Injury (TBI).

Contraindications

Do not use with electronic monitoring equipment, NMR-imaging, defibrillator, and high-frequency medical device. Powered muscle stimulators should not be used on patients with cardiac demand pacemakers. Do not use if you have a history of autonomic dysreflexia. Do not use FES following recent surgery where muscle contraction may disrupt the healing process. For more information about precautions and warnings please read Instructions for use.



Item No.	Model	Size
282700000	ALFESS™ Complete	One size
282710000	Extension strap	One size
282720000	Power adapter EU	One size
282730000	Power adapter UK	One size
282740000	Extra cable remote control - MICRO USB	One size
282860000	Extra cable remote control - USB-C	-
282750000	Extra charging cable for ALFESS	One size
282770000	Remote control	-
282790000	Extra D-Ring with magnet	One size
282830000	Connect GEL	500 ml
282840011	A-cover, cosmetic textile cover in beige	Small, 28-35 cm
282840012	A-cover, cosmetic textile cover in beige	Medium, 34-44 cm
282840013	A-cover, cosmetic textile cover in beige	Large, 43-56 cm