



Knee module with microprocessor control system Steplife B7

- A serial device for qualitative change of patients' activity
- Uses over 25 different walking patterns to operate the control system
- Implemented **import** substitution program throughout Russia

Steplife - is a Russian innovative company that produces high-tech components for limb prostheses. The company carries out its developments using the latest achievements in robotics and bionics in combination with the latest world scientific research on the nature of human walking.



Steplife - is

Availability ▪ Innovation ▪ Reliability

95% Functional Russian components

The excellence of Steplife

Steplife products are brought to design precision taking into account feedback from patientstest drivers

High-tech components:

- 30-40% cheaper than Western analogues
- Not inferior in quality and functional features

Production of innovative devices taking into account the study of the biology of human walking

They support us



For partnership

<https://steplife.ru/>
marketing@steplife.ru

For ordering Steplife B7

Tel.: _____
email: _____



Features of the knee module with microprocessor control system Steplife B7

- The knee module is single-axis hydraulic with microprocessor control of the support and transfer phases, having a control system based on information from sensors: gyroscope, acceleration sensor, angle sensor, temperature sensor.
- Allows you to climb stairs, has trip protection. Intelligent support function with electronic locking of the hinge in the extension position, using an electromagnetic valve.
- It has eight individual operating modes, automatic transition to active walking mode. Control via a special smartphone application. Possibility of cycling.



Characteristics

Activity level	1, 2, 3
Module type	Single-axle, hydraulic with MPU
Material	Aluminum alloy, stainless steel, carbon fiber, titanium
Possibility of synchronization with a mobile application	Available
Operating modes	Automatic, Bicycle, Fast Walking and 5 more modes
Control system	Microprocessor
Artificial Intelligence	Used
Sensors	Gyroscope, acceleration sensor, rotation angle sensor, temperature sensor
Work without recharging	up to 5-6 days depending on the intensity of use
Flexion angle	120 °C
System height	277 mm
Module weight	1.4 kg
Maximum user weight	125 kg
Operating temperature	- 20 /+ 40 °C
Connection types	In the proximal part there is a pyramid, in the distal part there is a supporting tube

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