

ARTIFICIAL ELECTRONIC KNEE JOINT



Electronic Knee is an intelligent prosthetic device for Transfemoral (above knee) amputees including those having bilateral limb deficiencies or hip disarticulation amputations. The device assists persons involved in activities requiring a high level of stance stability.

Specifications

Type	: Pneumatic
Controller	: RISC processor based
Control parameters	: ■ Knee flexion angle ■ Moving speed ■ Movement control patterns (slow, normal & fast) based on gait analysis
Programmable	: Adapt individual gait patterns
User Weight	: 100 kg max
Knee flexion	: 120° - 135°
Net weight	: 1.8 Kg (approx)
Extension assist	: Internal Restoring Spring
Battery	: Rechargeable Li- ion battery

Clinical Trials

- ALC, Pune
- Saket Hospital, Panchkula

E-Knee

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