

Smart Gravity

Safety and performance information

Technical Specification

Dimensions	290 x 160 x 265 cm (Length x Width x Height)
Weight	300 Kg
Capacity	0 - 150 Kg
Supply	230 VAC, 50 - 60 Hz
Absorbed power	600 W

Functionality

- Support of a subject's body weight (during therapy / exercise and during assessment on Walker View system)
- Protection against falling of a subject (during therapy / exercise and during evaluation on the Walker View system)
- Rehabilitation of walking on the WalkerView system using dedicated software
- Re-education to balance with weight discharge and / or in safe conditions

Use in orthopedic treatment (post -acute phase where feasible and/or practicable):

- Hip prosthesis
- Knee prosthesis
- Ligament reconstruction (shoulders, hips, knees, ankles)
- Ligament instability and laxity (shoulders, hips, knees, ankles)
- Tendon rehabilitations of different entities
- Spinal problems
- Degenerative problems

Use in neurological treatment (post-acute phase where feasible and/or practicable):

- Recovery of overall motricity
- Recovery of lower limb motricity
- Settable applications for disorders of kinesthetics control
- Problems of a degenerative nature
- Stroke

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- Hemiplegia
- Ataxia
- Multiple Sclerosis (MS)
- Disorders of kinaesthetic motor control
- Paraparesis (Core Injure Plugs)
- Parkinson's disease (PD)
- Degenerative problems

Contraindications

Absolute contraindications (their presence must be excluded before using the treadmill)

- Acute myocardial infarction (in the last 2 days)
- Unstable angina pectoris
- Limited cardiac arrhythmia and/or hemodynamic
- Uncompensated / uncontrolled heart failure
- Acute pulmonary embolism or pulmonary infarction
- Myocarditis, pericarditis, acute endocarditis
- Acute aortic dissection
- Acute coronary syndrome
- Acute phlebothrombosis of the lower extremities
- Febrile infections
- Acute thrombosis
- Recent injuries, eg. after surgery (general surgery)
- Acute fracture
- Acute headache
- Amblyopia
- Vestibular Disorder

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**Relative contraindications (the asset may be commenced if the possible benefits outweigh the risks.
The decision must be made by the doctor before the treadmill is used)**

- Left main coronary artery stenosis
- Main artery disease
- Heart valve disease, moderate severity
- Electrolytic imbalance established
- Arterial Hypertonia (RR > 200 mmHg syst. > 110 mmHg dyast.)
- Tachyarrhythmia or bradyarrhythmia
- Hypertrophic cardiomyopathy and other forms of outflow tract obstruction
- Higher grade atrioventricular block (AV)
- Anaemia
- Physical and/or mental disorders that cause inability to exercise properly
- Partially invasive medical devices (probes, infusers, catheters, external fixators, etc.)
- Cardiac pacemaker
- Visual disability (vision < 30% according to WHO)
- Pregnancy
- Damaged disc or traumatic illness of the spine
- Inflammations
- Epilepsy