

# Walker View

## Safety and performance information

### Technical Specification

Dimensions	290 x 140 x 210 cm (Length x Width x Height)
Weight	360 Kg
Speed	0-20 (0-15 medical usage) km/h
Speed increase	0,2 Km/h
Inclination	0-15%
Access height	18 cm
Supply	230 VAC, 50-60 Hz
Absorbed power	2,5 KW

### Functionality

- Valuation and training in different aerobic training modes
- Assessment and training related to postural attitude during walking and running
- Evaluation and training of coordination skills and segmental and global sense-motor skills
- Evaluation and training of heterometric effects
- Evaluation and training of joint asymmetries (presence of dysmorphisms and/or paramorphism), focus on trunk, hips and knees and foot
- Evaluation and training on contact time, step length and alternating body weight distribution (applied load)
- Biofeedback concerning joint degrees during Kinematics of movement, COG, contact time, step length and alternating body weight distribution (applied load).

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

- Hip fracture
- 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

## Walker View

### 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
- Hemiplegia
- Ataxia
- Multiple Sclerosis (MS)
- Disorders of kinesthetic motor control
- Cerebral Palsy
- Parkinson's disease (PD)
- Paraparesis (Core Injure Plugs)
- Chronic Obstructive Pulmonary Disease (COPD)
- Degenerative problems

### Use in the norm type user (no medical use):

- Testing and training concerning posture, functional training and health fitness training;
- Testing and training for performance maintenance and enhancement;
- Test and training for the prevention and programming of adapted physical activity.

## Contraindications

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

- 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

## Walker View

- 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

**Relative contraindications (the activity can be started if the possible benefits outweigh the risk. The decision must be made by the doctor before using the device)**

- Stenosis of the left main coronary
- Main artery disease
- Heart disease of moderate severity
- Electrolyte imbalance ascertained
- Arterial hypertonia (RR > 200 mmHg syst. > 110 mmHg diast.)
- Tachyarrhythmia or bradyarrhythmia
- Hypertrophic cardiomyopathy and other forms of outflow tract obstruction
- Higher grade atrioventricular (AV) block
- Anemia
- Physical and / or mental disorders that cause inability to perform exercise properly
- Partially invasive medical devices (probes, infusers, catheters, external fixators etc.)
- Cardiac Pacemaker
- Visual impairment (vision <30% according to WHO)
- Pregnancy
- Damaged disc or traumatic spine disease
- Inflammations
- Epilepsy