EP40 - Evaluation & Exercise System

Ideal for Balance Assessment and Training!
EP40 - ForcePlates for Weight-Bearing Evaluation & Exercise

This system is used widely in stroke and neuro rehabilitation and is perfect for sports injuries and orthopedic applications.

First and foremost, the EP40 offers a speedy and immediate assessment of balance based on the weight applied to the ForcePlates. Results are displayed both in graph and text format for immediate analysis and progress reports are easily generated for outcome measures. Balance training is included as E-LINK software offers highly gradable Activities for engaging exercise.

For additional flexibility, the ForcePlates can be removed from the BaseFrame to accommodate seated balance and easily adapt for weight-bearing exercise utilizing other everyday equipment. As a further bonus, a single ForcePlate can be used for weight-bearing exercise from as little as the touch of one finger through to full weight bearing on one limb.

The E-LINK EP40 is an invaluable clinical system for muscle strengthening, balance co-ordination and neuromuscular re-education.

E-LINK EP40 System Includes

Four ForcePlates, Baseframe, X4 InterX Unit, Connecting Cables and E-LINK Software.

Four ForcePlates

- E-LINK uses multiple ForcePlates to accurately and objectively assess a patient’s ability to maintain postural stability on a static surface
- The patient simply stands on the ForcePlates and the software allows the clinician to easily perform a timed balance test
- Fluctuations in the weight distributed over the ForcePlates are measured and the results displayed for immediate feedback
- Stability and symmetry of stance are documented
- Progress over time can be analyzed and reports easily generated for outcome measures
- Another major benefit is balance training through the integration of gradable computer based Activities for single or dual-axis interactive exercise
- Settings are based on the patient’s own comfortable limits of stability so that goals are achievable, maximizing the patient’s motivation for exercise
- The innovative Activity modules contribute a fun element to the therapy session encouraging the patient to exercise and strengthen the lower extremities
- Simultaneously proprioception and motor control are addressed, aiding neuromuscular re-education and balance co-ordination for patients with a variety of balance problems

Balance board NOT included
The InterX uses the mains power supply and a cable connects the Unit to a USB port on the computer. The four ForcePlates are connected to the InterX using a customized cable. The InterX is ideal for a static workstation where E-LINK is to be used in one area.

Activities

E-LINK takes well proven concepts and utilizes a computer environment to create a comprehensive system for functional exercise. Activities with simple graphics are appropriate for patients with neurological conditions, whereas Activities with exciting complex graphics are challenging for patients in hand therapy and spinal injury units.

The Activities are highly gradable and offer simpler graphics for patients with neurological conditions through to other more challenging ones with exciting complex graphics for orthopedic applications. Exercise graphs are generated for each session and provide an opportunity for further discussion with the patient to reassess treatment goals.

- Light touch/short duration desensitization exercise in pain management programs
- Full weight loading for strengthening joints and encouraging specific movement patterns
- Controlled purposeful activity whilst minimizing joint loading - invaluable for patients with arthritis and other conditions where low force on the joints is desirable
- Applications include: upper extremity weight bearing for the hand, arm and shoulder, standing balance, seated balance and isometric ankle dorsiflexion / plantar-flexion
- Immediately following assessment of applied force the patient can undertake exercise. Movement of objects in the activity modules is controlled by the application and relaxation of force within an achievable range
- The Activities are highly gradable and motivate the patient to exercise further and longer, thus addressing functional therapeutic goals

Single ForcePlate

Each ForcePlate registers weight as little as 0.1 to 100kg (220lbs). It is perfectly designed for upper and lower extremity weight-bearing exercise, accepting even the light touch of one finger to full weight bearing on one limb. It is the ideal device for:

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Clinical Applications

- Upper & Lower Extremity Rehabilitation
- Burns & Plastics
- Hospital and Community
- Pediatrics
- Orthopedics
- Educational Facilities
- Stroke Units
- Private Practices
- Sports Injury
- Amputee Services
- Spinal Injury Units
- Neurological Rehabilitation

More information on the use of E-LINK equipment for various clinical applications can be viewed on our website:

Medical Evaluation: www.biometricsltd.com/medical-eval
Hand Therapy: www.biometricsltd.com/hand-therapy
Stroke Rehab: www.biometricsltd.com/stroke
Pediatric Rehabilitation: www.biometricsltd.com/pediatrics
Neuro Rehabilitation: www.biometricsltd.com/neuro
Spinal Cord Injury Rehabilitation: www.biometricsltd.com/spinal

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