



MDP-06 Multi-directional Human Pulling Perturbation System

2-3

Biomechanics Industry



Features:

- This system is useful in evaluating Patients with Hemiplegia balance performance

Applications:

Description:

It could induce Protective Stepping Responses of Patients with Hemiplegia in responding to Slow or Fast Multidirectional Pulling Perturbations.



MDP-06 Multi-directional Human Pulling Perturbation System

Specification:

- Servo Actuator 3 Sets
 - Actuator with Driver
 - Independent Servo Actuators
 - Load Range Static up to 250 N
 - Total Stroke 450 mm
 - Operation Stroke 300 mm
 - Servo Actuator Velocity up to 400 mm/sec
- Loading Detector
 - Dynamic Load Cells
 - Load Cell 250 Lbs
- Displacement Detector
 - Dynamic Displacement Sensors
 - Displacement Sensors Stroke 500 mm
- Servo Actuator Controller 3 Sets
 - Displacement Signal Condition Amplifier
 - Loading Signal Condition Amplifier
- Displacement Control
 - PID Damping Adjuster
 - Input Ramp Function
 - Pre-Pulling Tension Setter
- Multi-Direction Human Pulling Controller
 - Trial Edit Software
 - Motion Waveform Programming Software
 - Synchronizer Motion Waveform Controller
 - Synchronizer Motion Output Signal
 - Synchronizer Motion Control Input Trigger Signal
 - External Safety Input Signal
 - Safety Circuits (Movement Limit Contacts for Loading Gear Box)
 - Remote Safety Box

