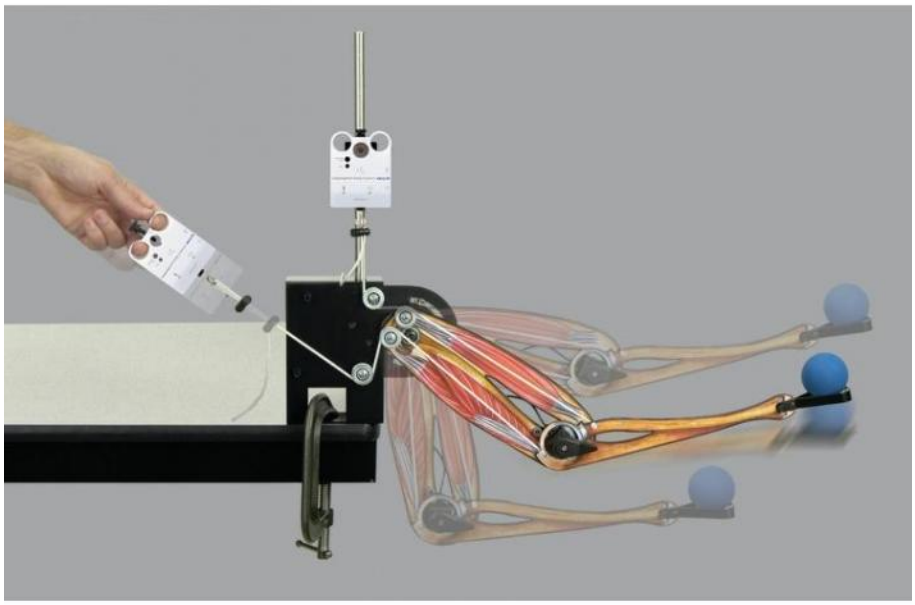
HUMAN ARM MODEL

PRODUCT SHEET

Reference : PS-2611



Study the forces involvedin the movements of the human arm !

The Human Arm Model simulates the muscles and motion of an actual human arm. Students pull on the cord with a Force Sensor to activate the arm motion. Changes in position are measured at the shoulder and elbow using the two built-in potentiometers and the included Angle Sensor (PS-2139). From this information, the torque applied when lifting an object can be determined. Students may also evaluate the work done by the arm when throwing a ball and the resulting kinetic energy delivered to the ball.

The Arm can perform many types of motion such as extending and lifting an object, curling, or throwing a ball overhand. Different arm muscles are activated depending on which pulleys are selected. Static force measurements can also be made to see how the muscle tension changes at various arm positions.
Features

- Working Model of the Human Arm
- Associate Triceps/Biceps Muscle Action with Arm Motion
- Measure Torque Resulting from Lifting Weights
- Actually Throws a Ball

What's Included

- 1x Human Arm Model
- 1x Arm

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- 1x Angle Sensor PS-2139
- 1x Angle Sensor
- 1x Removable Mass
- 1x Cord & Cord Locks
- 1x Mounting Bracket with Rod
- 1x Force Sensor Mounting Rod
- 1x Rubber Ball