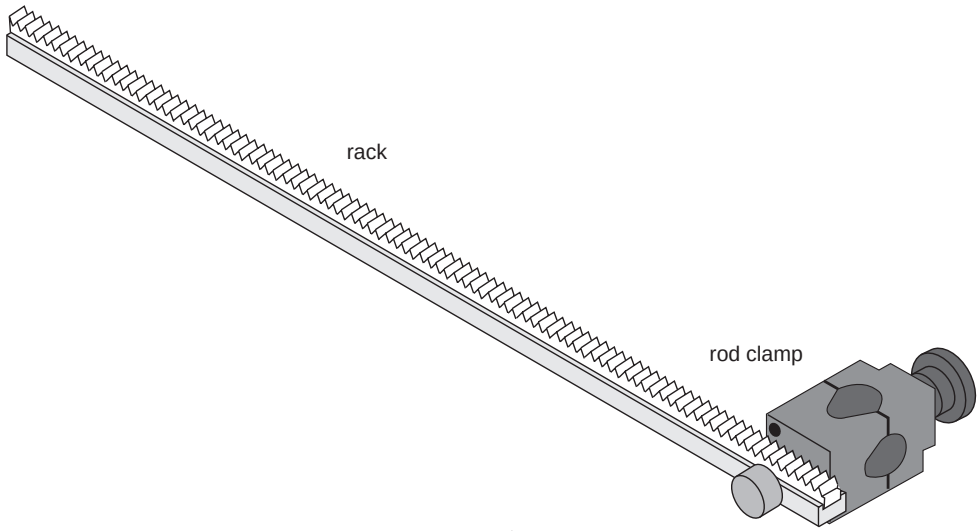
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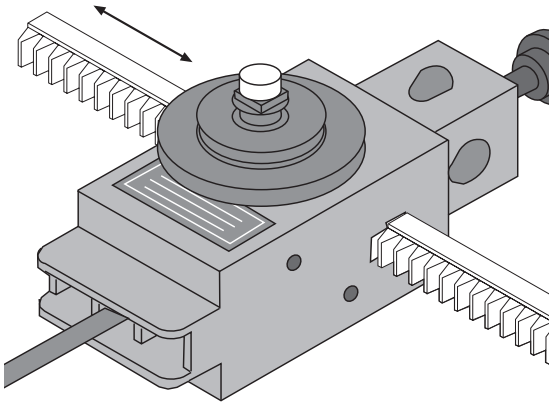
Instruction Sheet for the PASCO Model CI-6688

LINEAR MOTION ACCESSORY



Introduction

The PASCO CI-6688 Linear Motion Accessory is designed for use with the PASCO CI-6538 Rotary Motion Sensor (RMS) or the PASCO CI-6625 Rotary Motion Sensor for ULI. It consists of a 21 cm long rack that is inserted into the slot in the side of the RMS to convert a linear motion into a rotary motion. The teeth on the rack engage a gear inside the RMS causing it to rotate as the rack is pushed through the slot. The rack may be inserted into either side of the RMS. Sensors can be mounted to the rack using the rod clamp which is attached to one end of the linear motion rack.



Please refer to the instruction manual supplied with the Rotary Motion Sensor for a detailed description of experiments using the Linear Motion Accessory.

Pressure vs. Depth in a Fluid Experiment

Determine the relationship between pressure and depth in a fluid. The density of the fluid can also be determined.

Ideal Gas Law: Pressure vs. Volume Experiment

Obtain a Pressure vs. Volume diagram for a piston compressing a gas at constant temperature. The work is calculated by integrating under the P-V curve. Also, obtain a plot of force versus piston displacement and the work can also be found by integrating under this curve.

Magnetic Field vs. Distance Experiment

Plot the magnetic field of a neodymium magnet as a function of distance from the magnet.

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Limited Warranty

PASCO scientific warrants this product to be free from defects in materials and workmanship for a period of one year from the date of shipment to the customer. PASCO will repair or replace, at its option, any part of the product which is deemed to be defective in material or workmanship. This warranty does not cover damage to the product caused by abuse or improper use. Determination of whether a product failure is the result of a manufacturing defect or improper use by the customer shall be made solely by PASCO scientific.

Responsibility for the return of equipment for warranty repair belongs to the customer. Equipment must be properly packed to prevent damage and shipped postage or freight prepaid. (Damage caused by improper packing of the equipment for return shipment will not be covered by the warranty.) Shipping costs for returning the equipment, after repair, will be paid by PASCO scientific.

To Reach PASCO

For Technical Support call us at 1-800-772-8700 (toll-free within the U.S.) or (916) 786-3800.

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