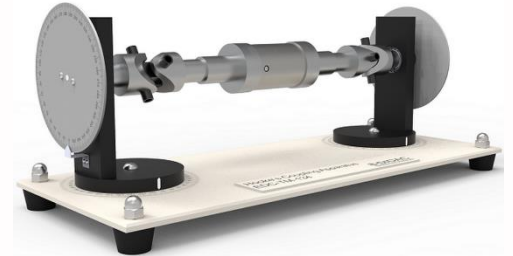


Hooke's Coupling Apparatus (EDC-TM-134)

EXPERIMENTAL DATA:

- Illustration of the non-uniform transmission of a universal joint.
- Study the gimbal error.
- Effect of universal joint and deflection angle on gimble error.



DESCRIPTION:

In this apparatus two universal joints connected to each other by an intermediate shaft. This combination is referred to as the cardan shaft or the universal joint shaft. Universal joint shafts are joint shafts that transfer a torque and a rotational motion. A universal joint combines two non-aligned shafts. In a universal joint, the torque and the speed are non-uniformly transmitted. This non-uniform transmission is called the gimbal error.

SPECIFICATIONS:

- Investigation of a universal joint shaft.
- Alteration of the layout of the universal joints and the deflection angle via two rotary plates.
- Adjustment of the input angle of the drive universal joint.
- Measure the output angle of rotation.
- Regulate the angular difference.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 450 X 300 X 250 approx.
- Weight: 9 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-TM-134.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Universal joint:
 - Quantity: 2.
 - Standard parts.
 - Stainless steel.
- Shaft:
 - Quantity: 3.
 - Diameter: 16mm.
 - Stainless steel.
 - Ball bearings.

