Nvis Technologies

Spreading Science & Technology

NV6043

Thermal Expansion Trainer

NV6043 Thermal Expansion Trainer (Pullinger's Apparatus) illustrates the concept of conduction of heat in solids. With the help of this product one can understand how Linear Thermal expansion occurs in solids. Pullinger's Apparatus is used to determine Coefficient of Linear Expansion of a given sample. Thermal Expansion Coefficient is a thermodynamic property of a substance or we can say Thermal Expansion is the tendency of matter to change in volume in response to a change in temperature

- Precise measurement by Spherometer
- For heating Electric Oven is provided
- Buzzer indicator
- Samples for study– Copper, Brass, Aluminum
- Self- contained and easy to operate
- e-manual
- 2 Year Warranty

Scope of Learning

- To determine the co-efficient of Linear Expansion of a given Sample.

Technical Specifications :

Steam jacket	
Type	: Brass
Length	: 50 cm
Diameter	: Inner 2.5 cm Outer 3 cm
Sample	
Type	: Copper, Steel, Aluminium
Length	: 52 cm
Diameter	: 10 mm
Spherometer	
Main Scale	: 10 - 0 - 10 mm
Circular Scale	: 100 divisions
Least Count	: 0.01 mm
Buzzer indicator	: 1.5 - 15 V DC
Power Supply	: 230 V 10%, 50 Hz
Adaptor Output	: 5 V, 500 mA

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