

Universal Kymograph With Inbuilt Stimulator

USED TO DISPLAY EFFECTS OF THE DRUGS ON CONTRACTILE TISSUES

This Assembly includes the Universal Kymograph with inbuilt Stimulator with a Manual containing detailed instruction of experiments (accessories for experiments to be ordered separately). Kymograph consisting of a revolving drum, bearing a kymograph paper on which a stylus moves up and down displaying the effects of the drugs on contractile tissues, is commonly used in experimental physiology and pharmacology laboratories in teaching institutions. Muscle or tissue movements are recorded on paper fixed on moving drum using recording lever.



Designed To Record Muscle or Tissue Movements On Paper Fixed On Moving Drum Using Recording Lever.



Some of the possible experiments include:

Frog Heart In Situ Preparation Experiments:

- Recording normal rate of heartbeat.
- Effect of drugs (inotropic and chronotropic actions)
- Effect of electrolytes, temperature
- Role of the pacemaker of the frog's heart in generating the electrical currents (impulse) at regular intervals.

NERVE- MUSCLE PREPARATION EXPERIMENTS:

- Effect of stimulating voltage (simple muscle twitch)
- Staircase phenomenon (Treppe)
- Effect of repeated stimulation (fatigue)

FEATURES:

- Pre-fitted with flexes and for attaching Muscle and Heart Bath
- Suitable for pharmacology and physiology experiments
- Infra-red sensor to count revolution and give feedback to generate electrical stimuli
- Inbuilt stimulator
- Highly accurate speeds-0.12, 0.25, 1.25, 2.5, 12.5, 25, 320, 640 mm/sec
- Very low power consumption
- Easy height adjustment of drum
- Stimulator with Pulse width 0.5/1.5, single or repeat mode, frequency range of 0.5, 1, 3, 5, 7, 10, 15, 20, 50, 100Hz & Voltage range of 0, 5, 10, 15, 20, 25V.

SYSTEM SPECIFICATION AND MODELS:

Model	Speeds	Drum Dimensions	Height of Rod	Electrical Stimulator	Power Requirements
UKS-01	8	Height: 150mm Diameter: 150mm	265mm	Frequency: 0.5, 1, 3, 5, 7, 10, 15, 20, 50, 100Hz Voltage range of 0, 5, 10, 15, 20, 25V	220/230V AC 50Hz 110/120V AC 50-60Hz*

*Needs to be specified in order information

ORDERING INFORMATION:

Model	Certifications	Accessories Supplied
UKS-01	CE Compliant	<ul style="list-style-type: none">• Control Panel• Rod• Drum• Knob for fixing drum• Main cord• Flexistand with vertical rod for fixing Muscle and Heart bath



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