

## WATER BATH INCUBATOR SHAKER



### APPLICATION

#### 1. DNA, RNA, and Protein Extraction

Useful during cell lysis, protein denaturation, or nucleic acid extraction where temperature and shaking influence yield and purity

#### 2. Solubility and Dissolution Tests

Used in pharmaceutical laboratories for solubility studies or dissolution of solids into liquids under controlled agitation.

### KEY FEATURES

#### Construction:

- Double-walled chamber with high-grade stainless steel inner tank (SS 304/316).
- Outer body made of mild steel powder coated or stainless steel for corrosion resistance.

#### Temperature Control System:

- Equipped with Digital PID controller for accurate temperature regulation & Temperature range from ambient +5°C to 99°C.

#### Shaking Mechanism:

- Linear shaking motion ensures uniform mixing of samples.
- Adjustable shaking speed (usually 20–250 RPM ).

#### Heating Element:

- Long-lasting tubular immersion heaters for efficient and uniform heating.

#### Platform Design:

- Removable or adjustable platform with clamps/springs to hold flasks, tubes, or bottles securely.

### KEY FEATURES

Model No.	PTE-710-WIS A	PTE 710 WIS B
<b>Internal Dimensions (LxWxD) mm</b>	275 x 275x150	400 x 300 x 150
<b>Volume</b>	12 Ltr.	18 Ltr.
<b>Approx. Heating Load</b>	2.0 KW	2.5 KW
<b>Top Lid</b>	Pyramid LID made of Stainless Steel	
<b>Temperature</b>	By microprocessor based PID temperature indicator cum controller.	
<b>Temperature Range</b>	From ambient above +5 °C to 99°C	
<b>Temperature Accuracy</b>	± 1°C.	
<b>Temperature Display</b>	Digital LED with set value (SV) & process value (PV).	
<b>Temperature Sensor</b>	RTD (PT-100)	
<b>Shaking Speed</b>	40 to 180 cycles/min.	
<b>Shaking Speed</b>	Controlled by speed regulator	
<b>Accommodation Capacity</b>	Can Hold Upto Flask of 250 / 500 ml	

### OPTIONAL ADD-ONS

- Spare Shaking Tray With Lotus Clamp or Test Tube Rack
- By Digital RPM Indicator

### REFRIGERATED MODEL WITH COOLING SYSTEM

- Applications same as of above but used where required (working temperature is below then ambient
- Temperature Range 5 oC to 60 °C
- Refrigeration is done by ISI Marked Compressor/Condensing Units CFC free & R-134 a eco-friendly refrigerant