

SINCE 1969

# HOLY SCIENTIFIC

THE ULTIMATE SOLUTION FOR LAB INSTRUMENTS



**BETTER TECHNOLOGY & BEST QUALITY  
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**LAB INSTRUMENTS**

**SCIENTIFIC INSTRUMENTS**

**LAB EQUIPMENTS**

**SCIENTIFIC EQUIPMENTS**

**TESTING KITS**

**SCIENTIFIC KITS**

**LABORATORY GLASS WARES**

**LABORATORY PLASTICWARES**

**LABORATORY CHEMICALS**

## COPPER CORROSION TEST APPARATUS

### INTRODUCTION:

HOLYSCIENTIFIC is one of the leading science equipment manufacturer & exporter of science equipments, science instruments, lab equipments, lab instruments, testing equipments, testing instruments, like Digital bio-safety cabinet, vertical & horizontal laminar air flow cooling & heating instruments like ultra low temperature deep freezers, BOD incubators, hot air oven, muffle furnace, microscope, fume hood environmental test chamber, water distillation plant, SDI kit, ocean grapy meter, water testing kit, PH meter, soil samplers & all types of laboratory & science instruments.

This laboratory & scientific instruments used for laboratory sterilization, clean room, microbiology, pathology, bio technology, pharmaceuticals, seed & soil testing, metallurgical, food processing, customized instruments

### **HOLY SCIENTIFIC**

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## COPPER CORROSION TEST APPARATUS

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SCOPE:

The instrument is designed and made as per the National Standard for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test. It is suitable to determine the corrosiveness to copper of aviation gasoline, aviation turbine fuels, automotive gasoline, natural gasoline or other hydrocarbons having a Reid vapor pressure no greater than 124 kPa, cleaners solvent, kerosene, diesel fuel, distillate fuel oil, lubricating oil, and other petroleum products. The instrument has the function of temperature controlling, timing and alarming.

Used for detecting the presence of corrosive sulphur in petroleum products. The apparatus consists of a bath either dual purpose ( $50^{\circ}\text{C}$  &  $100^{\circ}\text{C}$ ) or a boiling bath ( $100^{\circ}\text{C}$  only) without stainless steel bomb and copper strips of definite size 6 bombs or 18 test tubes can be accommodate in each type of bath with different temperature regulation system to operate on 220 volts AC. mains.

CONSTRUCTION:

Units can be used to test samples that do not require a test bomb such as diesel fuel, fuel oil, automotive gasoline, Stoddard solvent, kerosene and lubricating oil. Temperature controller has a  $^{\circ}\text{C}/^{\circ}\text{F}$  switchable digital set point and display (As per model.). Bath is fully insulated and features welded stainless steel double-wall construction with built-in support rack. Equipment is protected by an over temperature control circuit which automatically interrupts power to the unit should bath temperature exceed programmed cutoff point.

- Reliable
- Versatile usage.
- MICRO-PROCESSOR BASED CONTROLLERS
- Aesthetically designed
- Energy efficient

USEFUL FOR BIOMEDICAL, PATHOLOGY, MICROBIOLOGY, PHARMACEUTICALS, FOOD PROCESSING ETC.



# COPPER CORROSION TEST APPARATUS

RASAYAN



**BETTER TECHNOLOGY & BEST  
QUOLITY WITH FAST SERVICE**

- Precise control of environmental parameters
- Corrosion resistant interior & exteriors
- Sturdy construction
- Low maintenance.

## Main technical specification and parameters

1. Power supply: 220 V $\pm$  10%, 50 Hz
2. Temperature sensor: Industrial platinum resistance, scale number is PT100.
3. Temperature controlling range: Room temperature to 100 $^{\circ}$ C (temperature will be vary as per requirements.)
4. Temperature controlling accuracy:  $\pm$  1 $^{\circ}$ C
5. Temperature display mode: LED display
6. Main heating power: 600 W
7. Auxiliary heating power: 1000 W
8. Time controlling range: 1 min24 hours
9. Time display mode: LED display
10. Sample hole: 4
11. Sample tested at one time: 412 pieces
12. Ambient temperature: Room temperature 35 $^{\circ}$  C
13. Relative humidity:  $\leq$  85%
14. Total Power supply: Not more than 1800 W
15. Microprocessor based PID temperature controller for accurate temperature controlling.

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## COPPER CORROSION TEST APPARATUS

RASAYAN

### Temperature Control / Range:

**Temperature Range:** 5°C to 130 °C or 200°C

**Temperature Sensitivity:** +/- 1° c or better.

### Optional:

Universal data logger 25,200/- extra

PPI PID based programmable controller with original sensor Temperature Accuracy: < 0.5 °C: -Rate: 5800/- nett extra

Images shown in the catalog is for reference only due to the continue up gradation original unit may be differ from it.  
RASAYAN reserve all the rights to change the specification & feature without any notice

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