



innovative solutions

Copper Purity Test Apparatus

As per IS 440 , IS 4667-4
SSI 564 CP



An ISO 9001:2008 Company
GMP compliant

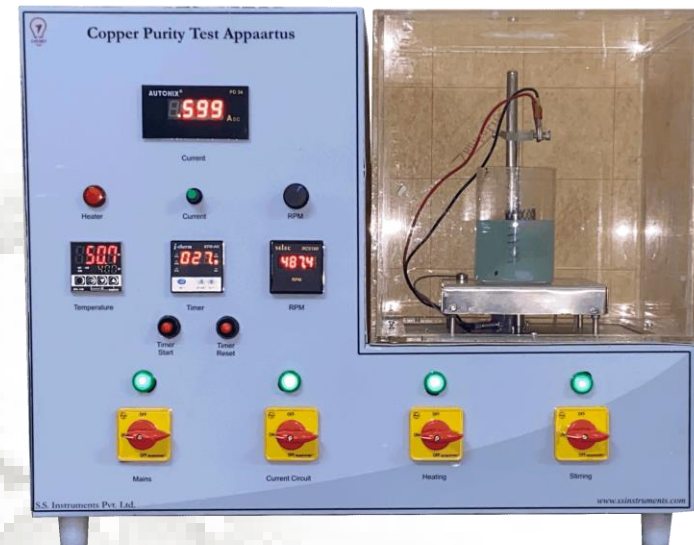
Copper Purity Apparatus is designed to determine the purity of copper by electrolysis method. The sample copper is dissolved in sulfuric - acid and nitric acid mixture and copper is deposited on Cathode from the solution.

Known amount of copper is dissolved in a mixture of water, sulfuric and nitric acid. Anode Cathode Electrodes are now dipped in the solution and known amount of current is passed between them for the desired time.

The electrodes are weighed before and after the test to determine the amount of copper deposited on the electrodes.

The instrument consists of

- ✚ Anode / Cathode made of Iridium blend with Platinum Coating
- ✚ PID controlled heating plate
- ✚ Ampere Meter
- ✚ Timer
- ✚ RPM Indicator
- ✚ Stabilized current source



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