

Glow Wire Technical Specification

1. Glow Wire: Nickel / Chromium (Ni/Cr-80:20) wire of 4 mm diameter or more with a shape as per the standard.
2. Thermocouple: Fine wire of Cr/Al of 0.5 mm diameter located in 0.6 mm diameter pocket hole in temperature sheath resistant to 1000 degree centigrade.
3. Micro-controller based PID temperature controller with 3 digits or better, 1 degree centigrade resolution & ambient temperature compensation (Temperature Ramp-up is controlled to 200 degree Centigrade per minute).
4. Temperature Range: Adjustable upto 900 degree centigrade or more.
5. Time Controller: Micro-controller based programmable timer 0 to 999 sec. The total test time can be programmed through keyboard. The ignition time and extinguish time of flame can be registered in timer. The stored time values can be viewed after the end of test.
6. A Mounting Tray & a universally adjustable SS perforated tray on a trolley are provided to mount the specimen.
7. Specimen size: 180 x 150 Sq.mm max. & 15 x 15 Sq. mm min., Thickness 10mm to 80 mm.
8. Precision scale is provided to measure the height of the flame.
9. Safety measures – Emergency Switch, MCB, Fuses.
10. Power Supply – 230 V AC, 50 Hz, 1 Ph, 500 VA
11. Equipment should meet the requirement as per IS 14772.