



innovative solutions

High Current Load Test Apparatus Model SSI – 538 D



When high current is passed through a wire, the conductor starts to heat up, which in turn heats up the insulation on the wire. This test is conducted to test the wire and installation for its capacity to safely carry high current, without burning or melting.

During the test a wire is attached to the instrument and current is passed through it. The current is then gradually increased. The temperature increase on the sheath, current at the both ends of the wire are noted to determine the current carrying capacity of the wire.

The instrument consists of

- Transformer capable of producing up to 170 Amps of current.
- Varic to gradually increase the current.
- Two Ampere Meter to measure the current at the start and end of sample wire.
- Voltage Meter to measure voltage applied across the sample.
- Three Temperature indicators with thermocouples to measure the temperature of sample wire
- Heavy duty Bakelite wire holders
- On Off Switch and indicator
- Data logger for recording Current (both ends of the sample, Voltage and sheath temperature)

The instrument is supplied with NABL Lab calibration for Ampere Meter.

S.S. INSTRUMENTS

An ISO 9001:2008 Company



(Actual instrument may differ from the photograph due to regular improvements)

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