



## **IS 2933 :2013 - Enamel, exterior: (A) undercoating (B) finishing**

This standard defines an AC Static Transformer Operated Watthour and Var-hour Meter, which is essential for measuring electrical active and reactive energy in kWh and kVarh. These meters, classified as Class 0.2 S and 0.5 S, are particularly accurate for applications in large-scale power measurement.

Consumers expect the meter to deliver precise, consistent readings, withstand environmental factors, and ensure electrical safety. Key aspects include measurement accuracy, resistance to temperature and humidity variations, and compliance with insulation standards to protect against electrical surges.

The standard specifies accuracy classes to maintain precise measurements and mandates durability through insulation, shock, and electromagnetic compatibility (EMC) testing. It defines environmental protection requirements, such as IP ratings for dust and water resistance, and outlines safety measures to prevent electrical shock, supporting meter reliability and robustness. These guidelines align with consumer expectations for high-performance, safe, and resilient meters.