

IS 15884 : 2024 Alternating Current Direct Connected. Static Prepayment Meters for Active Energy (Class 1 and 2)- Specification (*First Revision*)

IS 15884 : 2024 is an Indian Standard for alternating current (AC) direct-connected static prepayment meters, which measure active energy in residential and commercial settings. This standard, developed by the Bureau of Indian Standards (BIS), specifies technical requirements and performance criteria for Class 1 and Class 2 prepayment meters, which are commonly used for electricity billing and load management.

This standard applies to indoor applications only and does not apply to the meters for outdoor applications and prepayment functionality processed outside the meter. This standard does not cover the software requirement for prepayment meters.

These meters are designed to function accurately within specified tolerance limits, providing reliable measurement of electricity consumption. The “prepayment” function allows users to pay in advance for electricity usage, promoting efficient energy use and helping utilities manage demand and reduce losses.

IS 15884 : 2024 includes requirements for safety, accuracy, and operational reliability, addressing aspects such as data integrity, tamper detection, and response to power fluctuations. This standard aims to ensure fair billing practices, energy efficiency, and enhanced consumer trust in India's energy metering infrastructure.