

Socket Type Three Phase Energy Meter

This socket type three-phase meter is designed for use by large or industrial consumers. The compact meter provides the functions required for ANSI meter applications.



Overview

Industrial Three-Phase Metering

The RS200 is a robust socket-type three-phase energy meter engineered for industrial applications and high-demand users. Designed to meet strict ANSI standards, it provides reliable four-quadrant measurement and advanced demand monitoring capabilities. This compact solution features integrated anti-tamper security and supports modern communication interfaces like RF and PLC for smart grid integration.

Performance Metrics

Key Performance Metrics

0.5 s

Accuracy Class

15 years

Service Life

60 °C

Max Operating Temp

Technical Specifications

Electrical Parameters

Parameter	Value
Number of Wires	3 or 4
Frequency	50/60Hz
Reference Voltage	3W:240V / 4W:120-180V
Test Amperage (TA)	2.5A, 15A, 20A or 30A

Environmental Limits

- Operating Voltage: 0.8Un to 1.2Un
- Extended Voltage: 0.7Un to 1.3Un
- Operating Temperature: -25°C to +60°C
- Extended Temperature: -40°C to +70°C

Capabilities

Core Features

Four Quadrant Measurement, Anti-Tamper, Demand Monitoring, PLC Communication, RF Communication