

# Single Phase STS Split Type Prepaid Meter

This single phase STS split type prepaid meter provides metering, monitoring, alarm, display, communication and load control functions. The meter uses the STS standard encryption algorithm to exchange information based on TOKEN.



## Product Overview

### Compact Residential Metering Solution

The RS100 Socket Type Single Phase Meter is a compact, reliable solution designed for residential energy measurement. It adheres to ANSI standards and provides essential functions including instantaneous value measurement, bi-directional energy registration, and configurable measurement modes. With optional features like RTC and LCD backlighting, it offers flexibility for various utility requirements.

## Key Features

### Core Capabilities

- Instantaneous value measurement (kW, V, A)
- Unidirectional or bi-directional measurement
- Total active and reverse active energy registers
- Cover open detection and record (optional)
- Internal RTC (optional)
- LCD backlight (optional)

## Technical Specifications

### Accuracy Class

Class 1

### Electrical Ratings

**120 V**

Reference Voltage

**30 A**

Max Current

**60 Hz**

Frequency

### Technical Standards

ANSI

### Wiring Configuration

2 or 3 wires

### Installation Method

Socket

## Environmental and Durability

### Operating Temperature

-25°C to +60°C

### Limited Temperature Range

-40°C to +70°C

### Expected Lifetime

15 years