

## 十四、DDSY1277 (STS) Single Phase Keypad Pre-payment Energy Merter



### ◎ Normative references

IEC62052-11、IEC62053-21、IEC62055-31、IEC62055-41、IEC62055-51

### ◎ Main features

#### ● Measuring energy

DDSY1277-STS single-phase prepayment meter can measure forward and reverse active energy; and reverse active energy can be accumulated to the total consumption; measuring voltage and current; calculate total energy consumption; measuring last 12th months consumption; calculate the remaining credit; measuring instantaneous output energy etc.

#### ● Pre-payment Function

DDSY1277-STS single-phase prepayment meter can choose pre-payment and post-payment style. When the meter chooses pre-payment type, this means the user needs to purchase the energy before consumption. The user need provide personal electricity account information and purchase a token of 20 numbers. Then input the token to the meter ,and generate relevant credit. The credit will decrease while user uses electricity. When the remaining credit is low, the meter will remind the user. When the remaining credit is zero,the meter will disconnect the power supply through controlling relay switch.

### ◎ Operation environment

## Overview

DDSY1277 ( STS ) is an active energy-metering instrument, using digital media as the data exchange medium. User will load the pre-purchased credit, with settlement in terms of kWh. This meter is equipped with a digital key pad interface, which is used for active energy metering & prepayment controlling. Besides the meter also has Infrared communication and other auxiliaries.

### ◎ Model Specification

- Type: DDSY1277/DDSY1277-STS
- Class: 1.0
- Rated Voltage(Un): 240V
- Frequency: 50Hz
- Rated Current (Ib) : 5A
- Max Current (Imax): 60A
- Pulse Constant: 1000 imp/kWh
- Starting Current : 0.4%Ib 20mA
- Current range for meter measuring: 20mA ~ 60A
- Frequent current specification : 5(60)A
- Operating Voltage Range: 0.70Un ~ 1.15Un
- Dimension: 207\*132\*83.4mm
- MCU: 150\*100\*48mm ( Split Type )
- CIU: 150\*110\*38mm ( Split Type )

S/N		Item Name	Technical requirements
1	Temperature	Operation temperature range	-25℃ ~ 60℃
		Limit range of operation	-40℃ ~ 70℃
		Limit range for storage and transport	-40℃ ~ 70℃
2	Humidity	Annual mean	75%
		For 30 days, these days being spread in a natural manner over one year	95%
		Occasionally on other days	85%