

S3U Series Digital Display AC Voltmeter

Operation Guide

Thank you for choosing the meters researched and produced by Jiangsu Sferre Electric Co., Ltd. Please read this manual carefully and follow the instructions strictly to ensure your safe, correct and efficient purchase and use of the product.

CAUTION:

◆ Make sure only the qualified technicians perform the installation and maintenance;

◆ Before performing wiring operation to the meter, make sure the input signal and the power supply are switched off;

◆ The proper voltage detecting device should be used to guarantee no voltage in any part of the meter;

◆ The electrical parameters supplied to the meter should be within the rated range;

The following situations may result in damages to the meter or cause mistakes in the operation of the meter.

◆ The voltage of the auxiliary power supply goes beyond the rated range.

◆ The frequency of the power distribution system goes beyond the rated range.

◆ The input polarity of the voltage or the current is incorrect.

◆ Remove or connect the communication plugs without powering off.

◆ Connect the terminal wires against the related instructions.



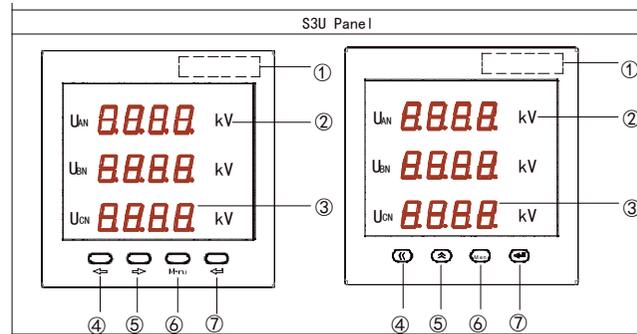
Please don't touch the terminals

when the meter is in operation!

1. Function Description

S3U series three phase voltmeter can measure three phase voltage, monitor digital signals and control relay outputs. Besides, this series of meters is equipped with RS485 interface for network communication.

2. Panel



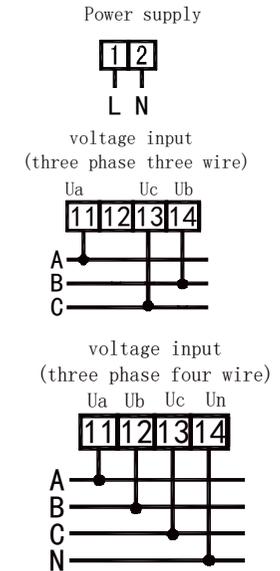
1. Model;
2. Display measured data and programming information;
3. Unit;
4. Left-forward button that is used to select functions or select numbers at different bits;
5. Right-forward button that is used to select functions or change the number at selected bit;
6. Menu button that is used to enter parameter setting status, return to upper level menu in programming status and cancel an operation;
7. Enter button that is used to confirm an operation.

3. Mounting dimension

Unit: mm

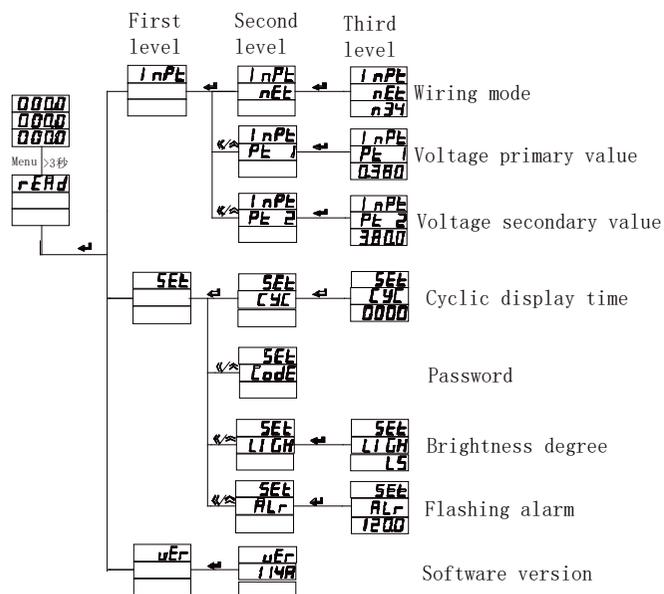
Code of Outline	Panel size	Match Size of Screen Install	Overall Length
S3U96	96×96	91×91	75
S3U72	74×74	67×67	75/90
S3U80	83×83	76×76	75

4. Wiring diagram



- Note: 1. "*" indicates the input terminals of current.
2. For the detailed wiring methods, please refer to the practical wiring diagrams of products.

5. Flow chart for checking menu of three phase voltmeters



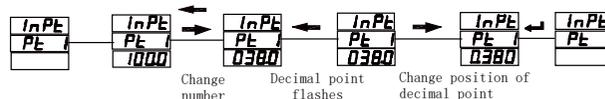
Note: The function of « button in A type meter is the same as ← button in 2 and 9 type meter; The function of ≈ button in A type meter is the same as → button in 2 and 9 type meter.

6. Operation instruction to programming menu

In measurement display interface, keep pressing Menu button for more than three seconds until **rErr** appears, then press ← or → button to switch to **Prog**. Now press ↵ button to enter program password interface, press ← or → button to input password (defaulted 0001), then press ↵ button to enter setting menu. (Note: if the password is not right, **Err** will appear. Then it returns to program password interface after seven seconds.)

Input primary value setting

User can change input primary value at field. The unit of primary value is k. For example, set signal AC380V/380V (secondary value 380V can not be set). After entering setting interface, press ← or → button to select **[000]**, then press ↵ to enter signal setting interface, now press ← or → button to select **PE. 1**



If the parameters of third level data are modified, please press ↵ button to save the modified data and return to secondary level. If user press Menu button, the modified data will not be saved.

If user wants to exit program setting interface, please return to first level of program setting interface, then press Menu button to **SAUE**

see **no**, now there are two choices available:

1. Press ↵ button to exit program setting interface without saving modified data;

SAUE

2. Press ← or → button to switch to **YES**, then press ↵ button to exit program setting interface and save modified data.

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