

SDA-93 (AMPS METER)

INSTALLATION & COMMISSIONING

1. Connect the two wires from the R-phase CT to terminals marked M1 & L1 such that S1 from CT goes to M1 on the unit.
2. Connect the two wires from the Y-phase CT to terminals marked M2 & L2 such that S1 from CT goes to M2 on the unit.
3. Connect the two wires from the B-phase CT to terminals marked M3 & L3 such that S1 from CT goes to M3 on the unit.

Λ Switch on the auxiliary supply. The unit will come alive. The first parameter to be displayed will be CT ratio. This is displayed only once, at the time of start-up of the unit. And then show first page.

Λ **CHANGING CT PRIMARY:**

Press the key continuously till the display shows CT –P (PRESENT CT PRIMARY). Now, using the key again, increase the CT primary. The CTR can be changed in steps of 5A up to 800A, and in steps of 25A thereafter up to 1000A and in steps of 50A up to 5000A. After reaching 5000, if the key is kept in pressed condition, the CTR will rollover and start with 5 amps again. When the desired CT ratio is reached, leave the key. After 10 seconds, the meter will automatically reset and show the CT PRIMARY which has been programmed, and then show first page.

□Λ **CHANGING CT SECONDARY:**

Press the key continuously till the display shows CT –S (PRESENT CT SECONDARY). Now, using the key again, change the CT secondary to 5 or 1 after that leave the key. After 10 seconds, the meter will automatically reset and show the CT SECONDARY which has been programmed, and then show first page.

Λ **SYSTEM:** 3P4W & 3P3W

Λ **CURRENT INPUT:** -/5Amp & -/1Amp. [SELECTABLE]

Λ **AUXILIARY SUPPLY:** 240 V AC

Λ **STANDARDS USED :** STABLE AC VOLTAGE & CURRENT SOURCE, PHASE SHIFTING TRANSFORMER, POWER METER & INTEGRATOR WITH BASIC ACCURACY OF 0.35%, STANDARD ENERGY METER OF ACCURACY CLASS 0.5s TRACEABLE TO NATIONAL STANDARDS.

Λ **TRACEABILITY:** THE ABOVE METER(S) WAS TESTED AND CALIBRATED AGAINST "MTE"0.05 STANDARD (MASTER CALIBRATING INSTRUMENT) MODEL PRS 1.3. THE MTE STANDARD METER IS TRACEABLE TO INTERNATIONAL STANDARDS.

Λ **RESULT OF TEST:** Pass

Λ **SPECIAL REMARK:-**

Λ **TEST ENGINEER:** KST

Λ **DATE:** 29/07/2024

WARRANTY

THE EQUIPMENT SUPPLIED UNDER THIS T.C. IS GUARANTEED AGAINST DESIGN, MANUFACTURING AND WORKMANSHIP DEFECTS FOR A PERIOD OF 5 YEARS FROM THE ABOVE DATE. STEFAN ELECTRIC UNDERTAKES TO REPLACE / REPAIR THE FAULTY UNIT AT OUR WORKS FREE OF COST. THE MANUFACTURER'S LIABILITY IS LIMITED TO THE VALUE OF GOODS SUPPLIED. THE MANUFACTURER WILL TAKE NO RESPONSIBILITY FOR ANY CONSEQUENTIAL DAMAGE CLAIMED WHATSOEVER. THIS WARRANTY CERTIFICATE IS REQUIRED TO BE PRODUCED FOR OBTAINING ANY REPAIR OR REPLACEMENT / SERVICE FROM THE MANUFACTURER. THE MANUFACTURING RESERVES THE RIGHT TO DETERMINE THE REASON FOR DEFECT / DAMAGE BEFORE PROVIDING SERVICE.

STEFAN ELECTRIC