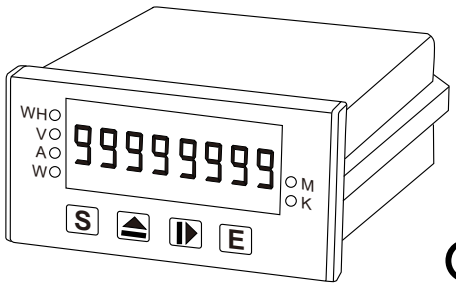
# MICROPROCESSOR DC POWER METER

MODEL
**S2-800DT**

## FEATURES

- Display: 99999999(WH)
- Display: 9999(V. A. W)
- Accuracy: ±0.5% F.S.
- Programmable process rate monitor
- Easy-to-wire, screw-type terminals
- Input/Output/Power/Case is isolated
- Outside dimension is DIN standard (96x48mm)




CE

## SPECIFICATION

### • Communication

**Interface** ..... RS 485
**Protocol** ..... MODBUS, RTU
**Baud rate** ..... 1200 ~ 38400
**Address range** ..... 1 ~ 255
**Data format** ..... N82, O81, E81, N81

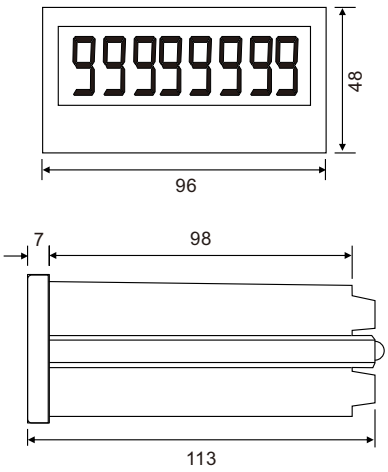
### • General

**Display** ..... 9.1mm (0.36") H, red LED
**Max. input over capability** ..... Amp. 3 x rated continuous
10 x rated 30 seconds
50 x rated 1second
Volt. 1000V continuous
**Accuracy** ..... ± 0.5% F.S. ± 2 digits
**Sampling time** ..... Abt. 0.8 sec. Typically
**Input burden** ..... Volt. input ≤ 0.5 VA/Phase
Amp. Input ≤ 0.5 VA/Phase
**Aux. power source** ..... AC/DC 85 ~ 265V
DC 20 ~ 60V
**Power consumption** ..... ≤ AC 6VA,≤DC 3W
**Operating temperature range** ..... 0 ~ 60°C
**Storage temperature range** ..... – 10 ~ 70°C
**Temperature coefficient** ..... ≤150PPM/ °C
**Max. relative humidity** ..... 95%
**Memory backup** ..... FRAM
**Memory times** ..... ≥10 years
**Dielectric strength (IEC 60688)** ..... AC 2KV/1 minute
Input/output/power terminates
AC 3KV/1 minute
All terminals to case

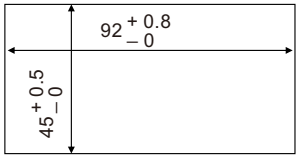
### • Electromagnetic compatibility

**Electrostatic discharge** ..... IEC 61000-4-2
**Electromagnetic fields immunity** ..... IEC 61000-4-3
**Electrical transient in burst** ..... IEC 61000-4-4
**Withstanding impulse voltage** ..... IEC 61000-4-5
**Immunity to voltage dips** ..... IEC 61000-4-11

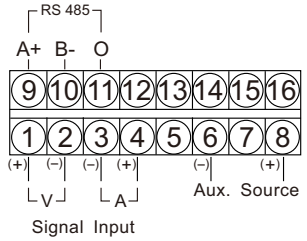
## OUTSIDE DIMENSION (UNIT:mm)




### • PANEL CUT-OUT




## CONNECTION DIAGRAM




## ORDERING INFORMATION

**S2-800DT-** □ □ □ □

| Input Voltage | Input Current | RS 485 Output | Aux. Power Source |
|---|---|---|---|
| 1: DC 100V<br>2: DC 600V<br>3: DC 1000V<br>0: Option | 1: DC 50mV 4: DC 5A<br>2: DC 60mV 5: DC 10A<br>3: DC 1A 0: Option | Y: Yes<br>N: None | 1: AC/DC 85 ~ 265V<br>2: DC 20 ~ 60V<br>0: Option |