

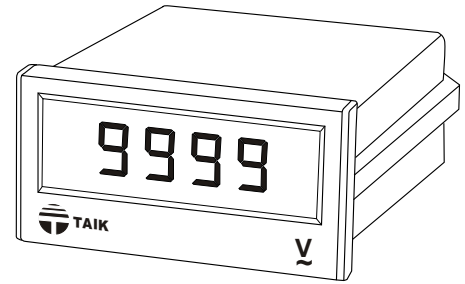


DIGITAL VOLTAGE METER

MODEL
S2-334VT

FEATURES

- Digital meter with built-in transducer
- 4 digits display: 9999
- Accuracy: $\pm 0.2\%$
- Programmable process rate monitor
- Input/Output/Power/Case is isolated
- Outside dimension is DIN standard (96x48mm)



SPECIFICATION

INPUT

| Variable to be Measured | Input Range | Input Burden | Display Range |
|-------------------------|-------------|--------------|--------------------------|
| AC or TRMS | 0 ~ 150V | $\leq 0.1VA$ | 0 ~ 9999 Programmable |
| | 0 ~ 300V | $\leq 0.2VA$ | |

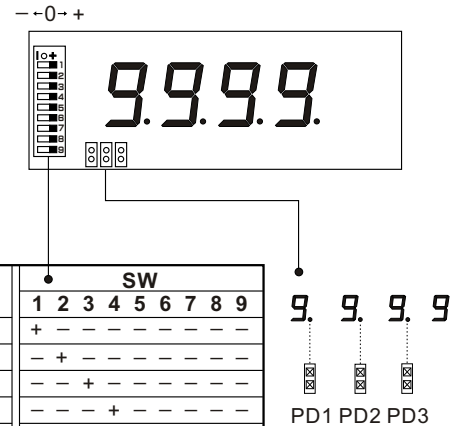
OUTPUT

| DC Output Range | Load Resistance | Output Resistance | Output Ripple | Response Time |
|-----------------|------------------|-------------------|----------------------------|-------------------------|
| 0 ~ 1V | $\geq 1K\Omega$ | $\leq 0.05\Omega$ | $\leq 0.5\% RO.$ (Peak) | $\leq 400ms$ 0 ~ 99% |
| 0 ~ 5V | | | | |
| 1 ~ 5V | | | | |
| 0 ~ 10V | | | | |
| 0 ~ 1mA | 0 ~ 10K Ω | $\geq 20M\Omega$ | $\leq 0.5\% RO.$ (Peak) | $\leq 400ms$ 0 ~ 99% |
| 0 ~ 10mA | 0 ~ 1K Ω | $\geq 5M\Omega$ | | |
| 0 ~ 20mA | 0 ~ 500 Ω | | | |
| 4 ~ 20mA | | | | |

COMMUNICATION

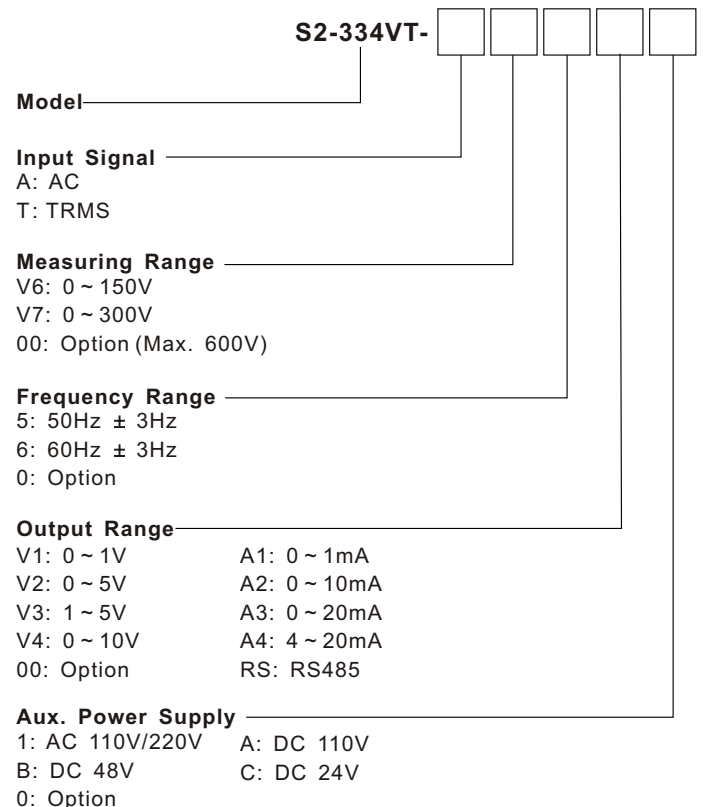
Interface RS485
 Protocol MODBUS, RTU framing
 Baud rate 1200 ~ 38400 programmable
 Address range 1 ~ 255 programmable
 Data format N82, O81, E81, N81
 Number of meter up to 32 on standard RS485
 Display 14.2mm (0.56") H, red LED
 Max. input over capability 1.5 x rated continuous
 Accuracy $\pm 0.2\%$ F.S. ± 3 digits, indicator
 $\pm 0.25\%$ RO., output
 Indicator sampling time Abt. 0.8sec.
 Frequency range 50Hz $\pm 3Hz$ or 60Hz $\pm 3Hz$
 Over input indication "Flash"
 Aux. power source AC 110V/220V $\pm 10\%$, 50/60Hz
 DC 24V, 48V, 110V $\pm 15\%$
 Power consumption $\leq AC 4.5VA$, $\leq DC 4W$
 Power effect $\leq 0.1\%$
 Waveform effect $\leq 0.2\%$, at distortion factor 30%, TRMS
 Output load effect $\leq 0.05\% RO.$
 Magnetic field strength $\leq 0.2\%$, 400A/M.
 Operating temperature range 0 ~ 60°C
 Storage temperature range -10 ~ 70°C
 Temperature coefficient $\leq 100PPM/^\circ C$
 Max. relative humidity 95%
 Dielectric strength (IEC 688) AC 2KV/1minute
 Input/Output/Power/Case
 Impulse (IEC 255-4) Common mode 1.2 x 50 μS 4 KV
 Connection diagram See next page, Figure A.
 Dimensions See next page, Figure 01.

Display (Programmable process)

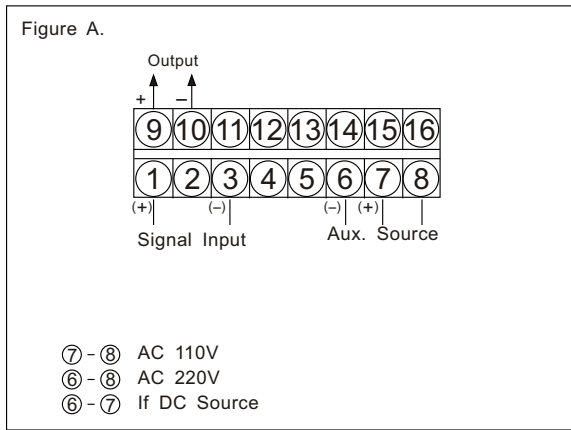


- EXAMPLE: Display 300.0KV, 3000 - (2560) - (320) - (80) - (40) = 0
 SW = 010010110, PD3 → Jumper
 Display 75.00KV 7500 - (5120) - (1280) - (640) - (320) - (80) - (40) - (20) = 0
 SW = - - + - - - + - - - -, PD3 → Jumper

ORDERING INFORMATION

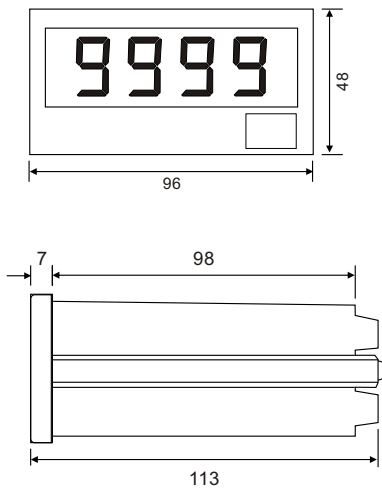


CONNECTION DIAGRAMS



DIMENSIONS (Measurements in mm)

Figure 01.



• PANEL CUT-OUT

