

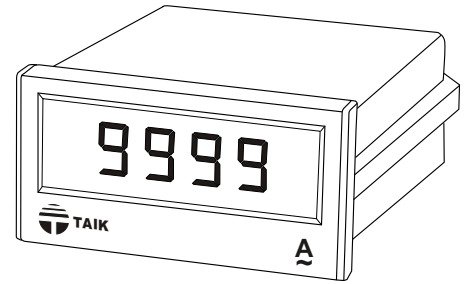


# DIGITAL CURRENT METER

MODEL  
S2-334AT

## 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 ~ 1A	$\leq 0.01VA$	0 ~ 9999 Programmable
	0 ~ 5A	$\leq 0.05VA$	

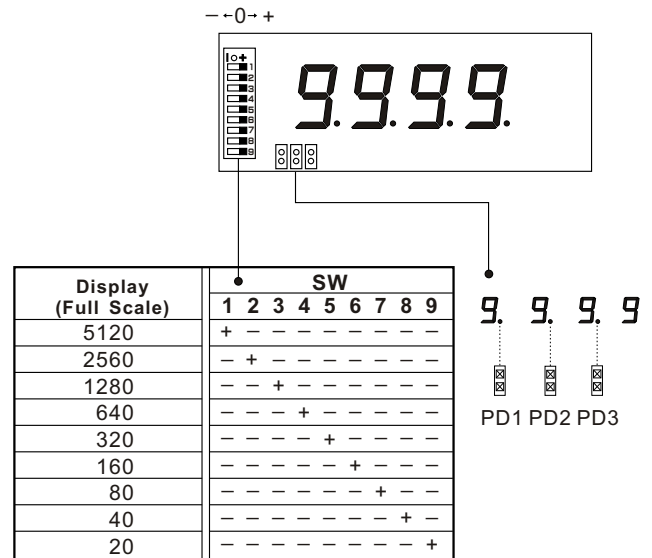
### OUTPUT

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 $\Omega$	$\geq 20M\Omega$		
0 ~ 10mA	0 ~ 1K $\Omega$	$\geq 5M\Omega$		
0 ~ 20mA	0 ~ 500 $\Omega$			
4 ~ 20mA				

### COMMUNICATION

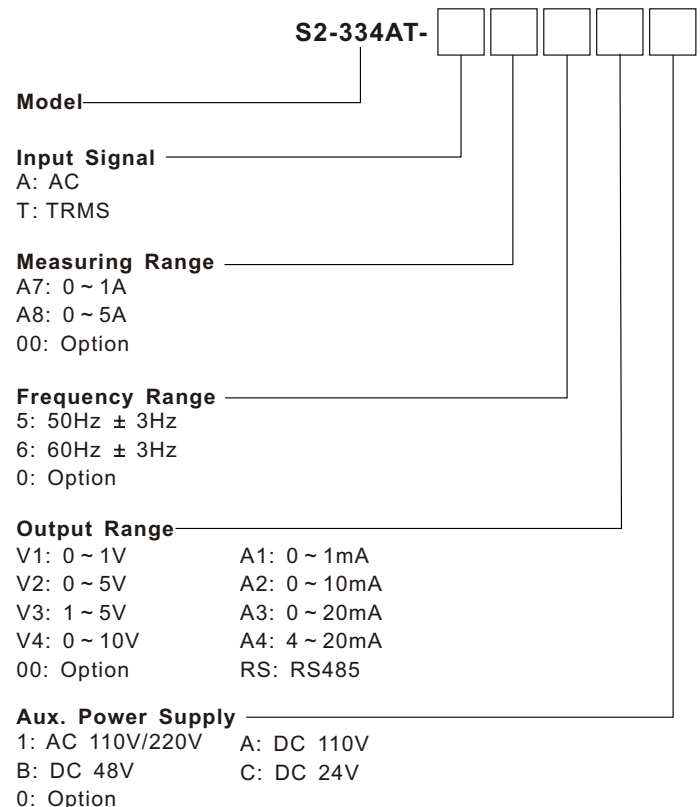
Interface	RS485
Protocol	MODBUS, RTU framing
Baud rate	1200 ~ 38400 programmable
Address range	1 ~ 255 programmable
Data format	N82, O81, E81, N81
Number of meter	up to 32 on standard RS485
Display	14.2mm (0.56") H, red LED
Max. input over capability	Amp. 3 x rated continuous 10 x rated 30 seconds 50 x rated 1 second
Accuracy	$\pm 0.2\%$ F.S. $\pm 3$ digits, indicator $\pm 0.25\%$ RO., output
Indicator sampling time	Abt. 0.8sec.
Frequency range	50Hz $\pm 3$ Hz or 60Hz $\pm 3$ Hz
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 $\mu S$ 4 KV
Connection diagram	See next page, Figure A.
Dimensions	See next page, Figure 01.

### Display (Programmable process)

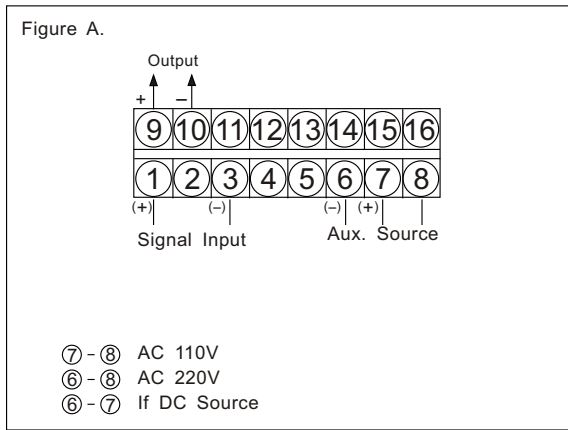


- EXAMPLE: Display 300.0A, 3000-(2560)-(320)-(80)-(40)=0  
SW = 010010110, PD3 → Jumper
- Display 75.00KA 7500-(5120)-(1280)-(640)-(320)-(80)-(40)-(20)=0  
SW = -+---+---+---, PD3 → Jumper

## ORDERING INFORMATION

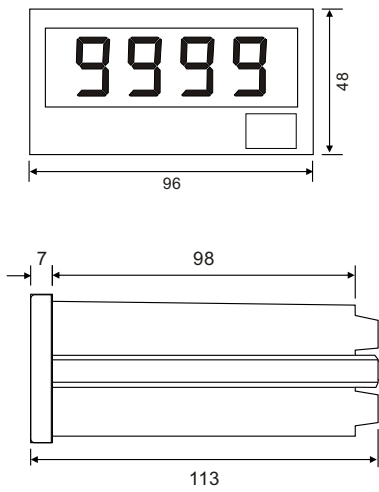


## CONNECTION DIAGRAMS



## DIMENSIONS (Measurements in mm)

Figure 01.



### • PANEL CUT-OUT

