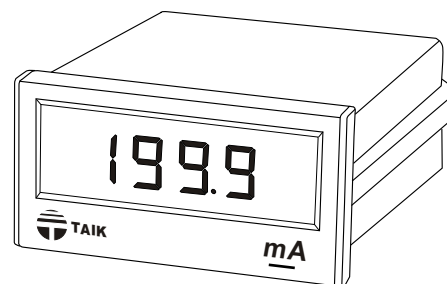


FEATURES

- 3½ display: 1999
- Accuracy: $\pm 0.1\%$ to $\pm 0.25\%$
- Easy-to-wire. screw-type terminals
- Outside dimension is DIN standard (96x48mm)
- Low unit cost



SPECIFICATION

- **Direct Input**

Variable to be Measured	Measuring Range	Input Impedance	Resolution
DC •	199.9μA	1KΩ	0.1μA
	1.999mA	100Ω	0.001mA
	19.99mA	10Ω	0.01mA
	199.9mA	1Ω	0.1mA
	1.999A	0.1Ω	0.001A
AC •	15.00A	0.1Ω	0.01A
TRMS	199.9mV	≥5MΩ	0.1mV
	1.999V	≥1MΩ	0.001V
	19.99V	≥1MΩ	0.01V
	199.9V	≥1MΩ	0.1V
	750V	≥3MΩ	1V

- **Ratio Input (Secondary of CT, PT)**

Variable to be Measured	Input Range	Input Impedance	Display Range
AC	0~1A	0.1Ω	Appointed as primary value of CT, PT
•	0~5A	0.1Ω	
TRMS	0~110V	≥ 1MΩ	
	0~220V	≥ 1MΩ	

- **Receiving Meter**

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 ~ 50mV	$\geq 5\text{M}\Omega$	Appointed
•	0 ~ 60mV	$\geq 5\text{M}\Omega$	
	0 ~ 5V	$\geq 1\text{M}\Omega$	
AC	1 ~ 5V	$\geq 1\text{M}\Omega$	
•	0 ~ 10V	$\geq 1\text{M}\Omega$	
	0 ~ 1mA	100Ω	
TRMS	4 ~ 20mA	10Ω	

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 seconds Volt. 750V continuous
Accuracy	DC range $\pm 0.1\%$ F.S. ± 1 digit AC range $\pm 0.25\%$ F.S. ± 1 digit (Option: Depending on actual measuring)
Measuring mode	Dual Slope
Sampling time	Abt. 0.8 sec typically
Frequency range	45~400Hz for AC range
Over input indication	"1"
Polarity	Only "-" display
Aux. power source	AC 110V/220V $\pm 10\%$, 50/60Hz DC 24V, 48V, 110V $\pm 15\%$
Power consumption	$\leq$ AC 3VA, $\leq$ DC 3W
Operating temperature range	0~60°C
Sensor power supply	DC 12V or 24V, 30mA (Option function)
Storage temperature range	-10~70°C
Temperature coefficient	$\leq 100\text{PPM}/^{\circ}\text{C}$ $\leq 60\text{PPM}/^{\circ}\text{C}$, 25°C $\pm$ 10°C
Max. relative humidity	95%
Dielectric strength (IEC 688)	AC 2KV/1 minute Input to power terminals AC 3KV/1 minute All terminals to case
Impulse (IEC 255-4)	Common mode 1.2 x 50 μ S 4 KV
Connection diagram	See next page, figure A.
Dimensions	See next page, figure 01.

ORDERING INFORMATION

S2-312-

S2-312-

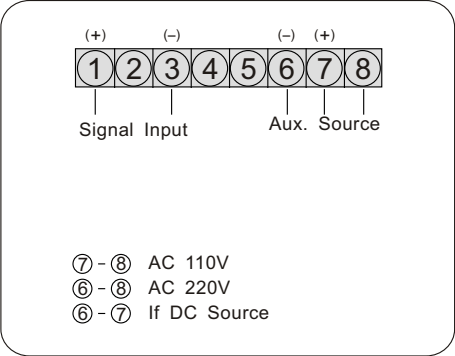
Input Signal	Measuring Range	Aux. Power Source
D: DC A: AC T: TRMS	A1: 199.9 μ A A2: 1.999mA A3: 19.99mA A4: 199.9mA A5: 1.999A A6: 15.00A V1: 199.9mV V2: 1.999V V3: 19.99V V4: 199.9V V5: 750V 00: Option	A7: 0~1A A8: 0~5A V6: 0~110V V7: 0~220V P1: 0~50mV P2: 0~60mV P3: 0~5V P4: 1~5V P5: 0~10V P6: 0~1mA P7: 4~20mA

- **EXAMPLE**

Measured range : AC 750V
 Aux. power source : AC 110V/220V
 Ordering model : S2-312-AV51
 Measured range : DC 4~20mA
 Display : 0~100.0%
 Aux. power source : AC 110V/220V
 Ordering model : S2-312-DP71
 (appointed display range : 0~100.0%)

CONNECTION DIAGRAMS

Figure A.



OUTSIDE DIMENSION (UNIT:mm)

Figure 01.

