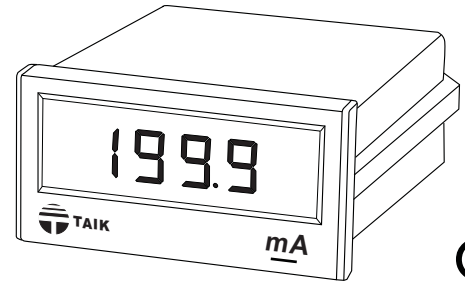




FEATURES

- 3 1/2 display: 1999
- Accuracy: ±0.1% to ±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
	199.9mV	≥ 5MΩ	0.1mV
TRMS	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	≥ 5MΩ	appointed
	0~60mV	≥ 5MΩ	
	0~5V	≥ 1MΩ	
AC	1~5V	≥ 1MΩ	
	0~10V	≥ 1MΩ	
TRMS	0~1mA	100Ω	
	4~20mA	10Ω	

Display 14.2mm (0.56") H, red LED
 Max. Input over capability Amp. 3x rated continuous
 10x rated 30 seconds
 50x rated 1 second
 Volt. 750V continuous
 Accuracy DC range ±0.1% F.S. ±1 digit
 AC range ±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 ±15%, 50/60Hz
 DC 24V, 48V, 110V ±10%
 Power consumption ≤AC 3VA, ≤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 ≤100PPM/°C
 ≤60PPM/°C, 25°C+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 1.2x50µS 4KV
 Connection diagram See page 23, figure A.
 Dimensions See page 23, figure 01.

ORDERING INFORMATION

S2-312-

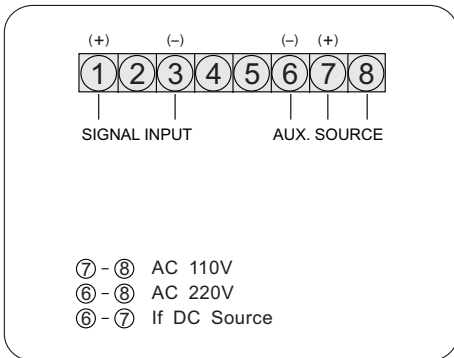
Input Signal	Measuring Range	Aux. Power Source
D: DC	A1: 199.9µA	A7: 0~1A
A: AC	A2: 1.999mA	A8: 0~5A
T: TRMS	A3: 19.99mA	V6: 0~110V
0: Option	A4: 199.9mA	V7: 0~220V
	A5: 1.999A	P1: 0~50mV
	A6: 15.00A	P2: 0~60mV
	V1: 199.9mV	P3: 0~5V
	V2: 1.999V	P4: 1~5V
	V3: 19.99V	P5: 0~10V
	V4: 199.9V	P6: 0~1mA
	V5: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

• 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

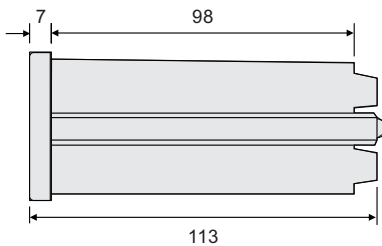
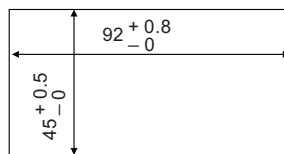
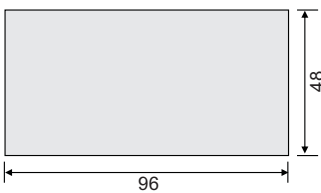
Figure A.



OUTSIDE DIMENSION (UNIT:mm)

Figure 01.

• PANEL CUT-OUT



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