

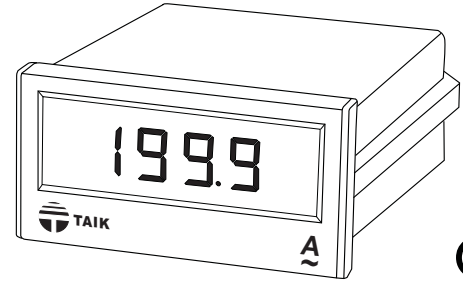


# DIGITAL PEAK-HOLD METER

MODEL  
**S2-312PH**

## FEATURES

- 3 1/2 display: 1999
- Accuracy: ±0.2% to ±0.5%
- Easy-to-wire. screw-type terminals
- Outside dimension is DIN standard (96x48mm)
- Holding speed: ≤100 msec.



## 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
	15.00A	0.1Ω	0.01A
AC	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	
	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	
	1~5V	≥1MΩ	
	0~10V	≥1MΩ	
AC	0~1mA	100Ω	
	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 second  
Volt. 750V continuous
- Accuracy ..... DC range ± 0.2% F.S. ± 1 digit  
AC range ± 0.5% F.S. ± 1 digit  
(Option: Depending on actual measuring)
- Measuring mode ..... Dual Slope
- Sampling time ..... Abt. 0.3 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
- Storage temperature range ..... -10~70°C
- Temperature coefficient ..... ≤100PPM/°C
- Max. relative humidity ..... 95%
- Dielectric strength (IEC 60688) ..... AC 2KV/1 minute  
Input to power terminals  
AC 3KV/1 minute  
All terminals to case
- Connection diagram ..... See page 23, figure A.
- Dimensions ..... See page 23, figure 01.
- Electromagnetic compatibility
- Withstanding impulse voltage ..... IEC 61000-4-5

## ORDERING INFORMATION

S2-312PH-

Input Signal	Measuring Range	Aux. Power Source	
D: DC A: AC	A1: 199.9μA 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	1: AC 110V/220V 2: DC 110V 3: DC 48V 4: DC 24V 0: Option

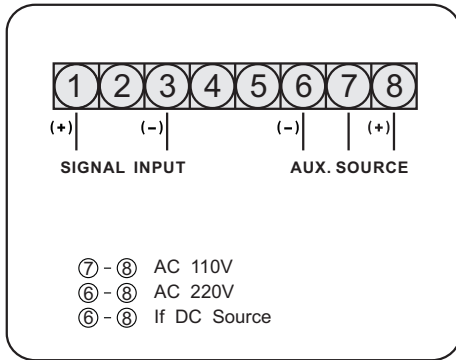
### • EXAMPLE

- Measured range : AC 750V
- Aux. power source : AC 110V/220V
- Ordering model : S2-312PH-AV51
- Input range : AC 0~5A
- Display : AC 0~100.0A
- Aux. power source : AC 110V/220V
- Ordering model : S2-312PH-AA81  
(appointed display range : AC 0~100.0A)

# CONNECTION DIAGRAMS

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Figure A.

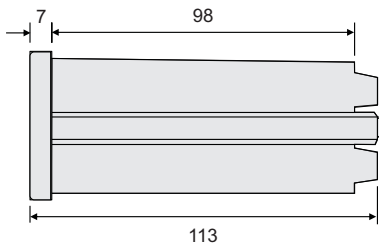
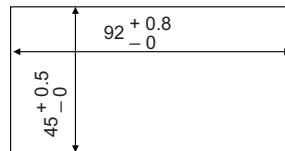


# OUTSIDE DIMENSION (UNIT:mm)

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Figure 01.

• PANEL CUT-OUT



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