

# TAH8535 Series Vertical Core Box-type AC Current Transformer

LI112V3/2016

## 1. Features:

- ① Vertical core-through, multi-point fixation;
- ② Used for single or multiple busbar crossing, especially vertical busbar crossing;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 50 Hz or 60 Hz

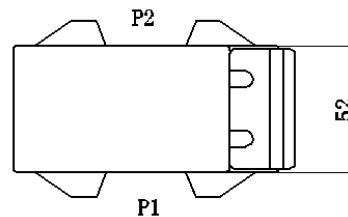
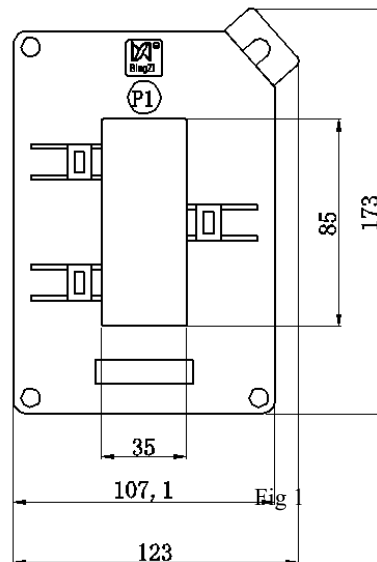
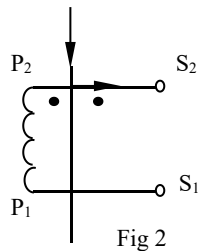
## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ ).

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V}$   $50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with  $\text{UL94-V0}$ .

## 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:



- Note: Each product is supplied with six suction cups and six M5 fixing busbar screws.

### 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 3.

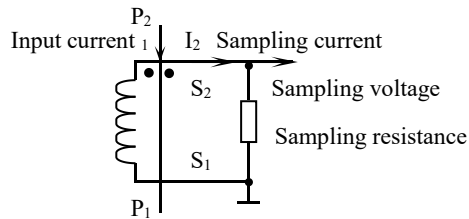


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Non-linearity
TAH8535-1	400A	5A	0.267 $\Omega$	1.33V	$\leq 0.5\%$
TAH8535-2	500A	5A	0.333 $\Omega$	1.66V	$\leq 0.5\%$
TAH8535-3	600A	5A	0.4 $\Omega$	2V	$\leq 0.5\%$
TAH8535-4	750A	5A	0.5 $\Omega$	2.5V	$\leq 0.5\%$
TAH8535-5	1000A	5A	0.667 $\Omega$	3.33V	$\leq 0.5\%$
TAH8535-6	1200A	5A	0.8 $\Omega$	4V	$\leq 0.5\%$
TAH8535-7	1500A	5A	1 $\Omega$	5V	$\leq 0.5\%$
TAH8535-8	2000A	5A	1.33 $\Omega$	6.66V	$\leq 0.5\%$
TAH8535-9	2500A	5A	1.66 $\Omega$	8.33V	$\leq 0.5\%$
TAH8535-10	3000A	5A	2 $\Omega$	10V	$\leq 0.5\%$

• Note:

- a. In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

### 8. Attention:

- ① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- ② Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

# TAH13255 Series Vertical Core Box-type AC Current Transformer

LI109V3/2016

## 1. Features:

- ① Vertical core-through, multi-point fixation;
- ② Used for single or multiple busbar crossing, especially vertical busbar crossing;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$  (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 50 Hz or 60 Hz

## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with  $\text{UL94-V0}$ .

## 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:

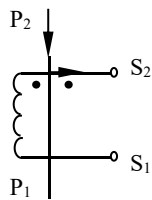
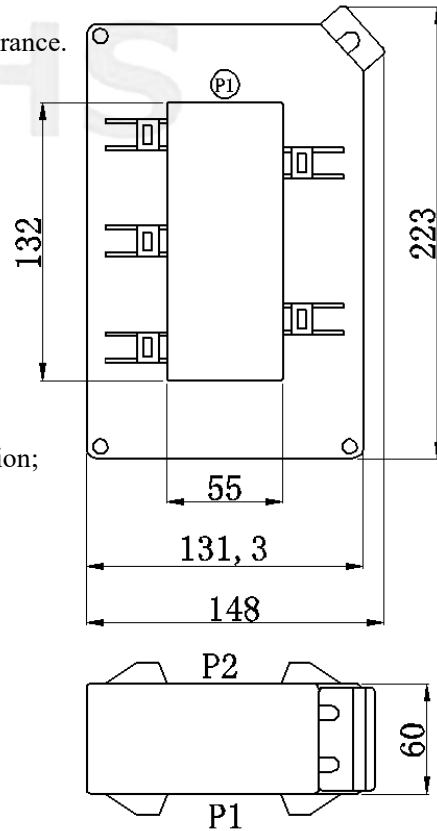


Fig 2

Fig 1

- Note: Each product is supplied with six suction cups and six M5 fixing busbar screws.

## 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 3.

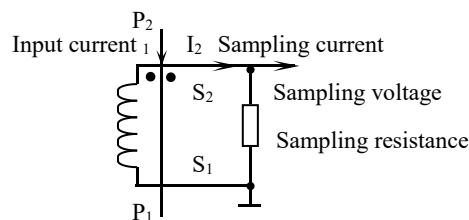


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance RL	Rated Sampling Voltage	Non-linearity
TAH13255-1	750A	5A	0.5Ω	2.5V	≤0.5%
TAH13255-2	1000A	5A	0.66Ω	3.3V	≤0.5%
TAH13255-3	1200A	5A	0.8Ω	4V	≤0.5%
TAH13255-4	1500A	5A	1Ω	5V	≤0.5%
TAH13255-5	2000A	5A	1.33Ω	6.6V	≤0.5%
TAH13255-6	2500A	5A	1.66Ω	8.3V	≤0.5%
TAH13255-7	3000A	5A	2Ω	10V	≤0.5%
TAH13255-8	4000A	5A	2.66Ω	13.3V	≤0.5%
TAH 13255-9	5000A	5A	3.33Ω	16.6V	≤0.5%
TAH13255-10	6000A	5A	4Ω	20V	≤0.5%

• Notes:

- a. In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- ① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- ② Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

# TAL3230 Series Vertical Core Box-type AC Current Transformer

LI106V3/2016

## 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$  (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 20Hz~1kHz

## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with  $\text{UL94-V0}$ .

## 6. Outline Drawing, Installation Dimension and Coil Drawing:( tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Fig 1:
  - ② The coil diagram is shown in Fig 2:
- Note: Each product is supplied with two bottom plate feet, one busbar foot, two screws and suction cups for fixing the busbar, and the installation instructions are as follows.

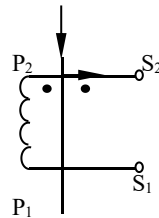


Fig 2

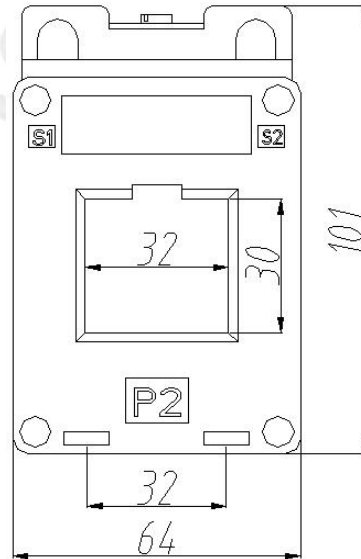
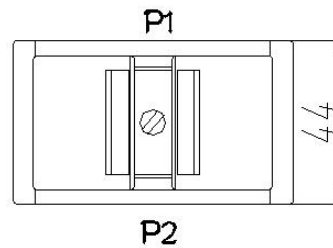


Fig 1



### ③ Installation Instructions:

- When fixing to the bottom plate: take two feet ( supplied with the product ) and insert them into the foot sockets on the bottom plate as shown in Figure 3. The center distance of the mounting holes is  $60 \times 32$  ; the mounting hole diameter of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws.

- When fixing on the busbar: take a foot with M5 holes ( supplied with the product ) and insert it into the busbar foot slot as shown in Figure 3. The center distance of the M5 holes is  $59$  , and the transformer can be fixed on the busbar with M5 screws .

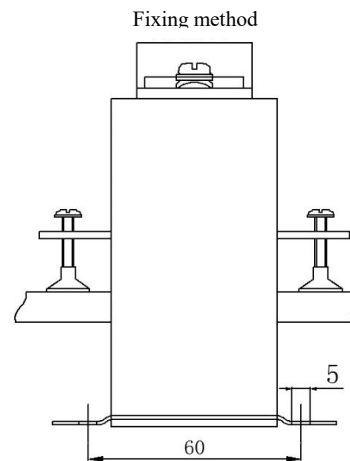


Fig 3

### 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 4.

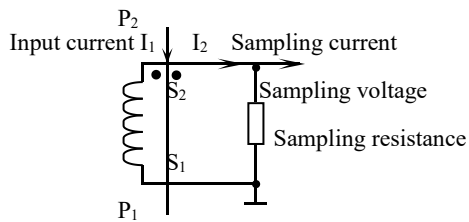


Fig 4

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistor $R_L$	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TAL3230-1	100A	5A	0.125 $\Omega$	0.625V	$\leq 30'$	$\leq 0.5\%$	2 times of rated value
TAL3230-2	150A	5A	0.188 $\Omega$	0.938V	$\leq 30$	$\leq 0.5\%$	2 times of rated value
TAL3230-3	200A	5A	0.25 $\Omega$	1.25V	$\leq 30$	$\leq 0.5\%$	2 times of rated value
TAL3230-4	250A	5A	0.312 $\Omega$	1.56V	$\leq 30$	$\leq 0.5\%$	2 times of rated value
TAL3230-5	300A	5A	0.375 $\Omega$	1.88V	$\leq 30$	$\leq 0.5\%$	2 times of rated value
TAL3230-6	400A	5A	0.5 $\Omega$	2.5V	$\leq 30$	$\leq 0.5\%$	2 times of rated value

• Notes:

- In practical applications, the sampling resistor should be less than or equal to the Rated value given in the above table, which will improve the nonlinearity and phase shift.
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

### 8. Attention:

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuited and do not install any fuse on the secondary.

## TAL5232 Series Vertical Core Box-type AC Current Transformer

LI108V3/2016

### 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

### 3. Range of Operating Frequency: 50 Hz or 60 Hz .

### 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ ).

### 5. Safety Features:

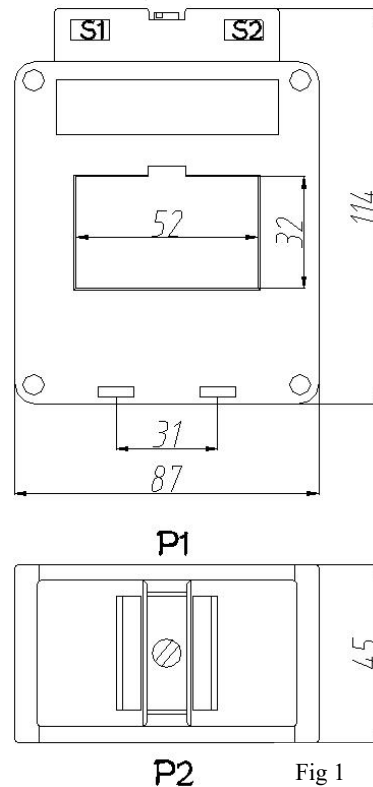
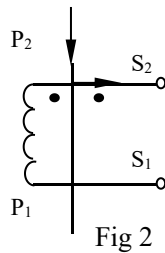
- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V}$  50Hz/1min;
- ③ Fire retardancy: In conformity with UL94-V0.



### 6. Outline Drawing, Installation Dimension and Coil Diagram:(tolerance $\pm 1\text{mm}$ )

① Outline drawing and installation dimensions are shown in Figure 1:

② The coil diagram is shown in Figure 2:



• Note: Each product is supplied with two bottom plate feet, one busbar foot, two screws and suction cups for fixing the busbar, and the installation instructions are as follows.

③ Installation Notes:

• When fixing to the bottom plate: take two feet (supplied with the product) and insert them into the foot sockets on the bottom plate as shown in Figure 3. The center distance of the mounting holes is  $60 \times 31$ ; the mounting hole diameter of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws.

• When fixing to the busbar: take two M5 bolts and nuts (supplied with the product) and insert them into the slots as shown in Figure 3, and fix the transformer on the busbar.

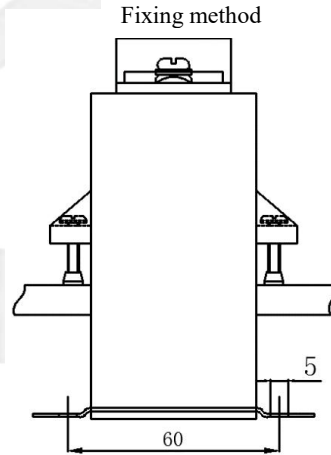


Fig 3

7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 4.

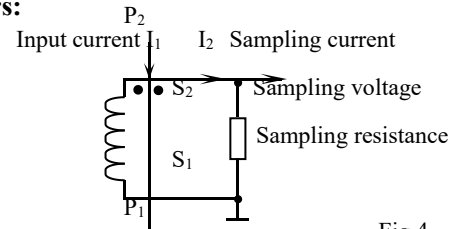


Fig 4

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Non-linearity
TAL5232-1	150A	5A	$0.15\Omega$	0.75V	$\leq 0.5\%$
TAL5232-2	200A	5A	$0.2\Omega$	1V	$\leq 0.5\%$
TAL5232-3	250A	5A	$0.25\Omega$	1.25V	$\leq 0.5\%$
TAL5232-4	300A	5A	$0.3\Omega$	1.5V	$\leq 0.5\%$
TAL5232-5	400A	5A	$0.4\Omega$	2V	$\leq 0.5\%$
TAL5232-6	500A	5A	$0.5\Omega$	2.5V	$\leq 0.5\%$
TAL5232-7	600A	5A	$0.6\Omega$	3V	$\leq 0.5\%$
TAL5232-8	750A	5A	$0.75\Omega$	3.75V	$\leq 0.5\%$
TAL5232-9	1000A	5A	$1\Omega$	5V	$\leq 0.5\%$
TAL5232-10	1200A	5A	$1.2\Omega$	6V	$\leq 0.5\%$
TAL5232-11	1500A	5A	$1.5\Omega$	7.5V	$\leq 0.5\%$

• Notes:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

8. Attention:

- The primary of the current transformer should be connected in series with the current circuit under test, and the secondary should operate in approximate short-circuit mode;
- The secondary circuit of the current transformer must not be allowed to open circuit during operation, so please do not install any fuse.



# TAL8353 Series Vertical Core Box-type AC Current Transformer

LI110V3/2016

## 1. Features:

- ① Vertical core, can be fixed on the busbar;
- ② Can be equipped with various types of busbars, mainly suitable for multiple busbars, especially busbars with bends;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 50 Hz or 60 Hz

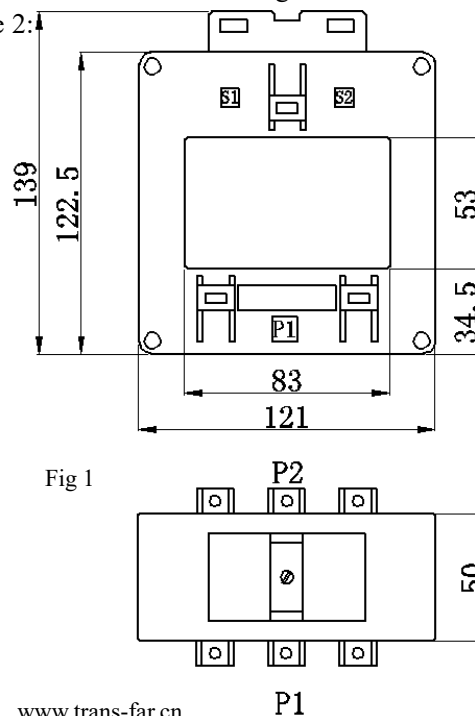
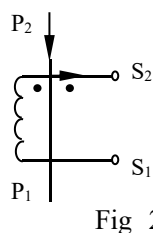
## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with UL94-V0.

## 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:



• Note: Each product is supplied with six fixing busbar screws and suction cups.

### 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 3.

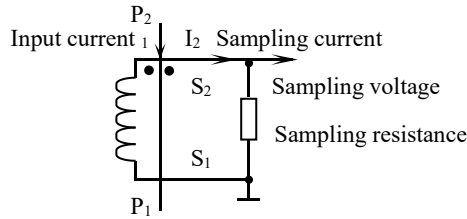


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Non-linearity
TAL8353-1	400A	5A	0.133 $\Omega$	0.67V	$\leq 0.5\%$
TAL8353-2	500A	5A	0.166 $\Omega$	0.83V	$\leq 0.5\%$
TAL8353-3	600A	5A	0.2 $\Omega$	1V	$\leq 0.5\%$
TAL8353-4	750A	5A	0.25 $\Omega$	1.25V	$\leq 0.5\%$
TAL8353-5	1000A	5A	0.33 $\Omega$	1.67V	$\leq 0.5\%$
TAL8353-6	1200A	5A	0.4 $\Omega$	2V	$\leq 0.5\%$
TAL8353-7	1500A	5A	0.5 $\Omega$	2.5V	$\leq 0.5\%$
TAL8353-8	2000A	5A	0.66 $\Omega$	3.33V	$\leq 0.5\%$
TAL8353-9	2500A	5A	0.83 $\Omega$	4.16V	$\leq 0.5\%$
TAL8353-10	3000A	5A	1 $\Omega$	5V	$\leq 0.5\%$

• Note:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

### 8. Attention:

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

# TAL10381 Series Vertical Core Box-type AC Current Transformer

LI113V3/2016

## 1. Features:

- ① Vertical core, can be fixed on the busbar;
- ② Can be equipped with various types of busbars, mainly suitable for multiple busbars, especially busbars with bends;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$  (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 50 Hz or 60 Hz

## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ ).

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with UL94-V0.

## 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:

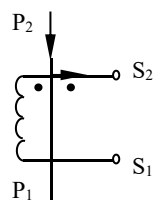
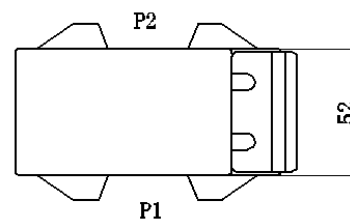
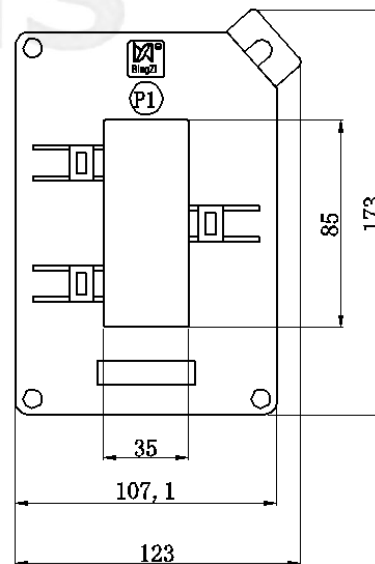


Fig 2

Fig 1

- Note: Each product is supplied with four fixing busbar screws and suction cups.

## 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 3.

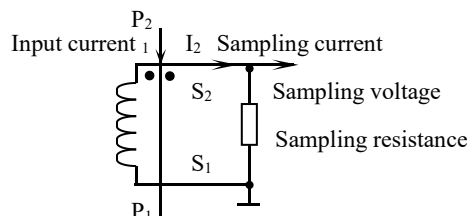


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance RL	Rated Sampling Voltage	Non-linearity
TAL10381-1	750A	5A	0.375Ω	1.88V	≤0.5%
TAL10381-2	1000A	5A	0.5Ω	2.5V	≤0.5%
TAL10381-3	1200A	5A	0.6Ω	3V	≤0.5%
TAL10381-4	1500A	5A	0.75Ω	3.75V	≤0.5%
TAL10381-5	2000A	5A	1Ω	5V	≤0.5%
TAL10381-6	2500A	5A	1.25Ω	6.25V	≤0.5%
TAL10381-7	3000A	5A	1.5Ω	7.5V	≤0.5%
TAL10381-8	4000A	5A	2Ω	10V	≤0.5%
TAL10381-9	5000A	5A	2.5Ω	12.5V	≤0.5%

● Notes:

- a. In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- ① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- ② Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

## TAM4231 Series Vertical Core Box-type AC Current Transformer

LI107V3/2016

### 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860 \sim 1060\text{mbar}$  (about  $650 \sim 800\text{mmHg}$ ).

### 3. Operating Frequency Range: 50Hz ~ 60Hz

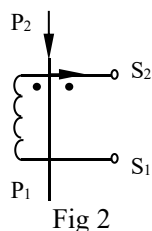
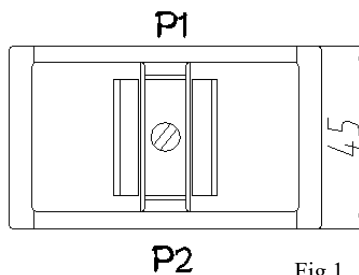
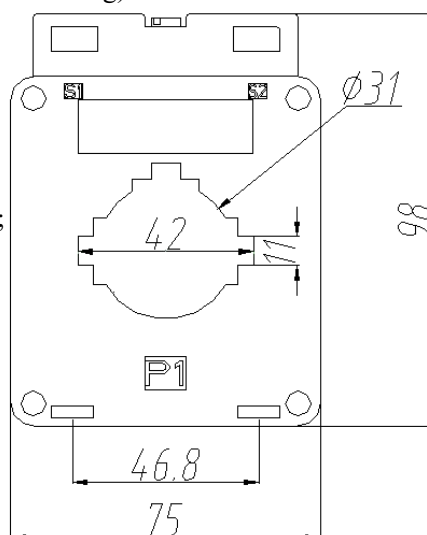
### 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

### 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V}$  50Hz/1min;
- ③ Fire retardancy: In conformity with UL94-V0.

### 7. Outline Drawing, Installation Dimension and Coil Drawing:( tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:



- Note: Each product is supplied with two bottom plate feet, one busbar foot, two screws and suction cups for fixing the busbar, and the installation instructions are as follows.



③ Installation Instructions:

- When fixing to the bottom plate: take two feet (supplied with the product) and insert them into the foot sockets on the bottom plate as shown in Figure 3. The center distance of the installation hole is  $60 \times 46.8$ ; the diameter of the foot installation hole is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws;
- When fixing on the busbar: take a foot with M5 holes (supplied with the product) and insert it into the busbar foot slot as shown in Figure 3. The center distance of the M5 holes is 59, and the transformer can be fixed on the busbar with M5 screws.

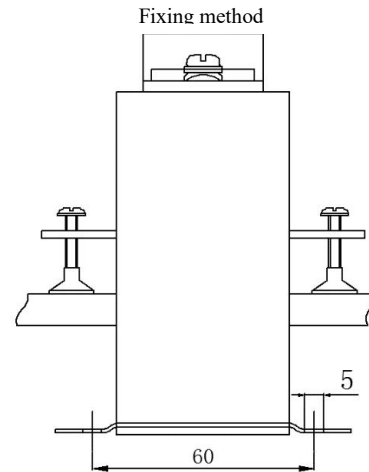


Fig 3

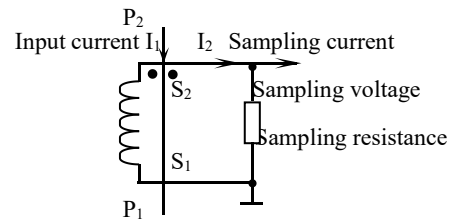


Fig4

**7. Typical Application and Performance Parameters:**

See the table below for performance parameters when applied as shown in Figure 4.

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistor $R_L$	Rated Sampling Voltage	Non-linearity	Withstand Voltage (kV)
TAM4231-1	100A	5A	$0.066\Omega$	0.33V	$\leq 0.5\%$	$\geq 3$
TAM4231-2	150A	5A	$0.1\Omega$	0.5V	$\leq 0.5\%$	$\geq 3$
TAM4231-3	200A	5A	$0.133\Omega$	0.66V	$\leq 0.5\%$	$\geq 3$
TAM4231-4	250A	5A	$0.166\Omega$	0.83V	$\leq 0.5\%$	$\geq 3$
TAM4231-5	300A	5A	$0.2\Omega$	1V	$\leq 0.5\%$	$\geq 3$
TAM4231-6	400A	5A	$0.266\Omega$	1.33V	$\leq 0.5\%$	$\geq 3$
TAM4231-7	500A	5A	$0.333\Omega$	1.66V	$\leq 0.5\%$	$\geq 3$
TAM4231-8	600A	5A	$0.4\Omega$	2V	$\leq 0.5\%$	$\geq 3$
TAM4231-9	750A	5A	$0.5\Omega$	2.5V	$\leq 0.5\%$	$\geq 3$
TAM4231-10	800A	5A	$0.533\Omega$	2.66V	$\leq 0.5\%$	$\geq 3$

• Notes:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention :**

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuited and do not install any fuse on the secondary.

## TAR150 Series Rectangular AC Current Transformer

LI114V3/2016

### 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

### 2. Ambient conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$   
(about  $650\sim 800\text{mmHg}$ ).



### 3. Operating Frequency Range: 20Hz~1kHz

### 4. Insulation Thermal Class: Class B ( $130^{\circ}\text{C}$ )

### 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3\text{kV}\sim 10\text{kV}$  50Hz/1min;
- ③ Fire retardancy: In conformity with UL94-V0.

### 6. Outline Drawing, Installation Dimension and Coil Drawing : ( tolerance $\pm 1\text{mm}$ )

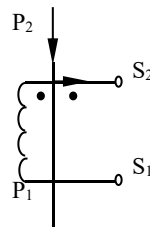
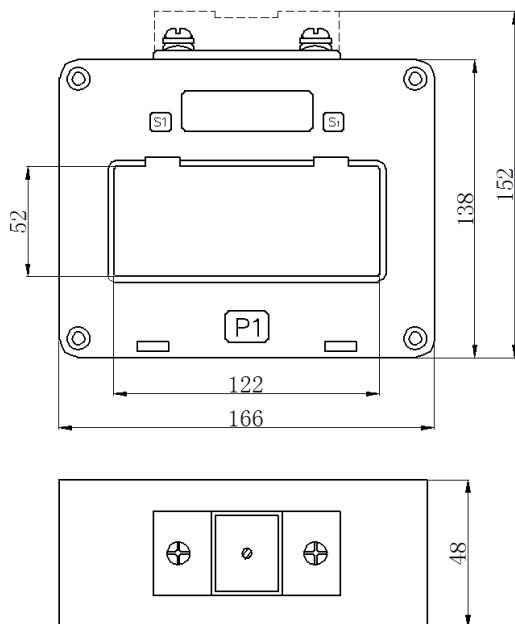


Fig 1

- Note: Each product is supplied with two bottom plate feet, one busbar foot and screws for fixing the busbar. See below for installation instructions.



**Installation Instructions:**

- When fixing to the bottom plate;  
Take the two feet ( supplied with the product ) and insert them into the foot sockets on the bottom plate as shown in Figure 2. The center distance of the mounting holes is  $60 \times 89$  ; the mounting hole diameter of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws. (Note: Another 6 8 hole spacing mounting plate is optional)
- When fixing to the busbar;  
Take two legs with M5 holes ( supplied with the product ) and insert them into the bus bar leg slots as shown in Figure 2. The center distance of the M5 holes is 59, and the transformer can be fixed on the bus bar with M5 screws.

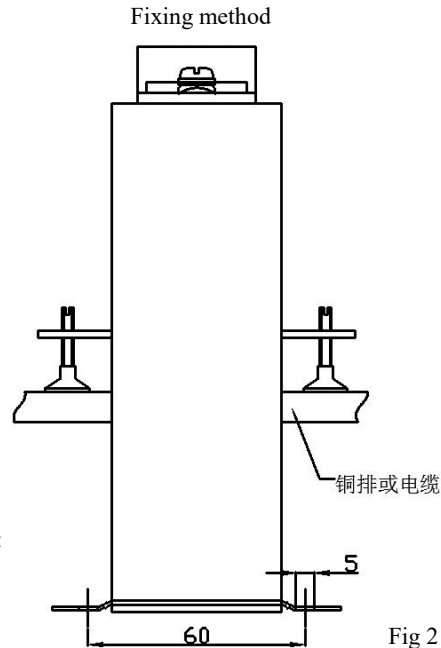


Fig 2

**7. Typical Application and Performance Parameters:**

See the table below for performance parameters when applied as shown in Figure 3.

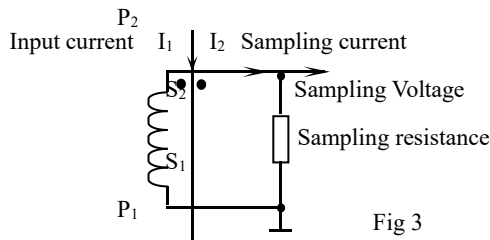


Fig 3

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range	Withstand Voltage
TAR150-01	5000A	5A	1Ω	5V	$\leq 30'$	$\leq 0.5\%$	2 times of rated value	$\geq 10kV$
TAR150-02	4000 A	5A	0.8Ω	4V	$\leq 30'$	$\leq 0.5\%$	2 times of rated value	$\geq 3kV$

• Notes:

- In practical applications, the sampling resistance should be less than or equal to the Rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuited and do not install any fuse on the secondary.

## TAR5896 Series Vertical Core Box-type AC Current Transformer

LI092V3/2016

### 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

### 3. Operating Frequency Range: 20Hz~1kHz

### 4. Insulation Thermal Class: Class B ( $130^{\circ}\text{C}$ )

### 5. Safety Features:

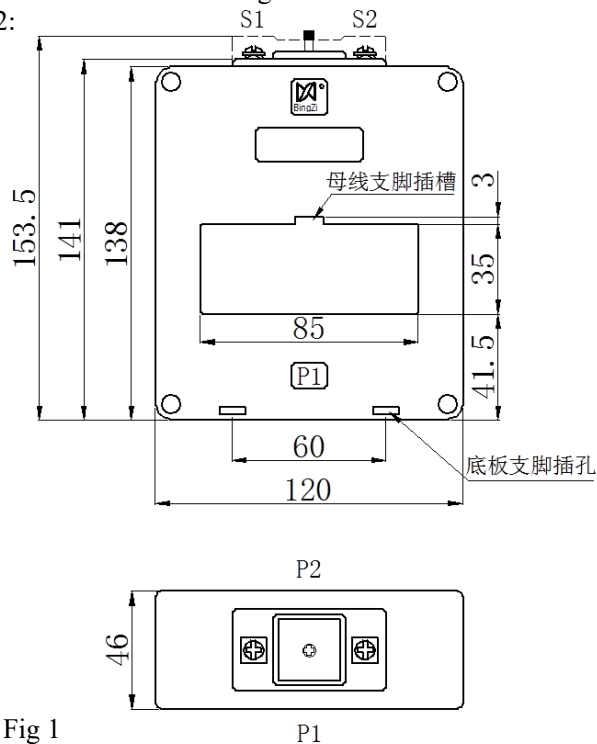
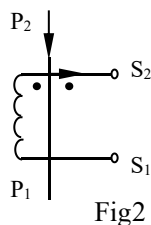
- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $4000\text{V}$  50Hz/1min;
- ③ Fire retardancy: In conformity with UL94-V0.



### 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:

- ② The coil diagram is shown in Figure 2:



● Note: Each product is supplied with two bottom plate feet, one busbar foot and screws for fixing the busbar. See below for installation instructions.

③ Installation Instructions:

● When fixing to the bottom plate: Take four legs (supplied with the product) and insert them into the sockets on the bottom plate as shown in Figure 3. The center distance of the installation holes is  $60 \times 60$ ; the diameter of the mounting holes of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws.

● When fixing to the busbar: take a foot with M5 holes (supplied with the product) and insert it into the busbar foot slot as shown in Figure 3. The center distance of the M5 holes is 59, and the transformer can be fixed on the busbar with M5 screws.

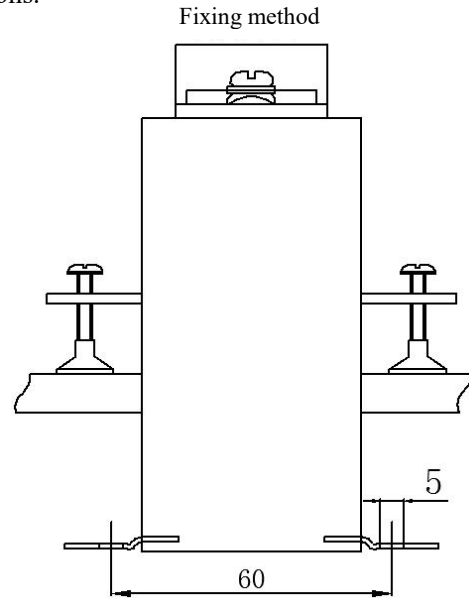


Fig 3

**7. Typical Application and Performance Parameters:**

See the table below for performance parameters when applied as shown in Figure 4.

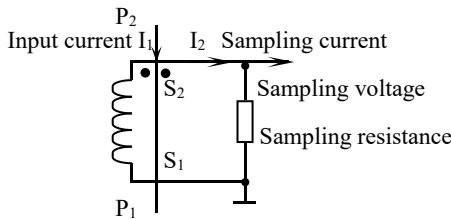


Fig 4

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TAR5896-1	2500A	0.1A	$50\Omega$	5V	$\leq 30'$	$\leq 0.5\%$	2 times of the rated
TAR5896-2	2000A	0.1A	$50\Omega$	5V	$\leq 30'$		

● Notes:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- The primary of the current transformer should be connected in series with the current circuit under test, and the secondary should operate in approximate short-circuit mode.
- The secondary circuit of the current transformer must not be allowed to open circuit during operation, so please do not install any fuse.

## TAR6589 Series Vertical Core Box-type AC Current Transformer

LI093V3/201 6

### 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

### 3. Operating Frequency Range: 20Hz~1kHz

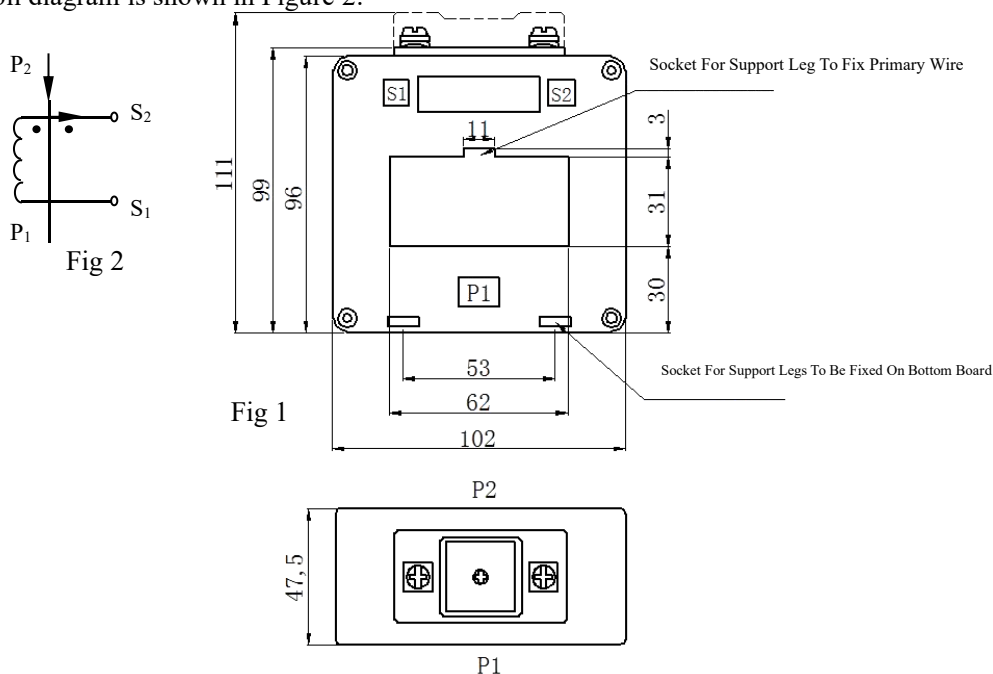
### 4. Insulation Thermal Class: Class B ( $130^{\circ}\text{C}$ )

### 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $4000\text{V}$  50Hz/1min;
- ③ Fire retardancy: In conformity with UL94-V0.

### 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:

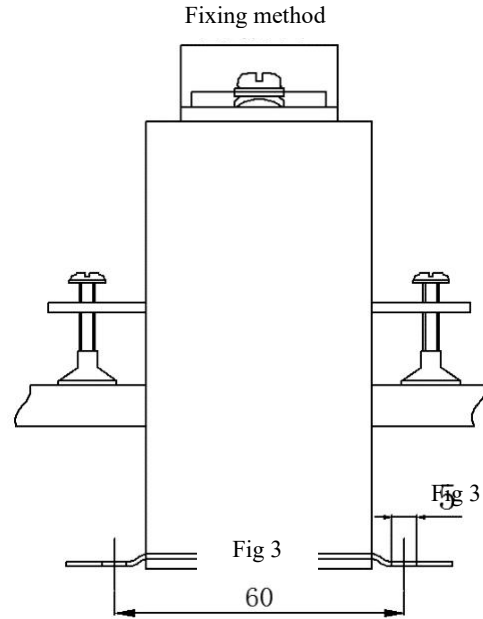


● Note: Each product is supplied with two bottom plate feet, one busbar foot and screws for fixing the busbar. See below for installation instructions.

③ Installation Notes:

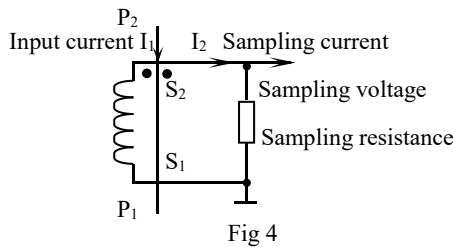
● When fixing to the bottom plate: take two feet ( supplied with the product ) and insert them into the foot sockets on the bottom plate as shown in Figure 3. The center distance of the installation holes is  $60 \times 53$  ; the diameter of the mounting holes of the feet is  $\Phi 5$  ; the transformer can be fixed on the bottom plate with M5 screws; (note: there are also 6 8 hole distance mounting plates optional)

● When fixing to the busbar: take a foot with M5 holes ( supplied with the product ) and insert it into the busbar foot slot as shown in Figure 3. The center distance of the M5 holes is 59 , and the transformer can be fixed on the busbar with M5 screws.



**7. Typical Application and Performance Parameters:**

See the table below for performance parameters when applied as shown in Figure 4.



Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TAR	2500A	1A	$2\Omega$	2V	$\leq 30'$	$\leq 0.5\%$	2 times rated
TAR	2000A	1A	$2\Omega$	2V	$\leq 30'$		

● Notes:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- The primary of the current transformer should be connected in series with the current circuit under test, and the secondary should operate in approximate short-circuit mode.
- The secondary circuit of the current transformer must not be allowed to open circuit during operation, so please do not install any fuse.

## TA4252 Series Box-type AC Current Transformers

LI052V1/2008-EN

### 1. Features:

- ① Flexible installation modes: can be fixed on the primary wire or bottom board.
- ② Compatible with various primary wires, including flat-type wires, round wires, or cables.
- ③ Standard output terminals with screws, convenient for on-site wire connection.
- ④ Enclosed in a plastic shell with a sleek and seamless design, providing robust mechanical and environmental endurance.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860 \sim 1060\text{mbar}$  (about  $650 \sim 800\text{mmHg}$ ).

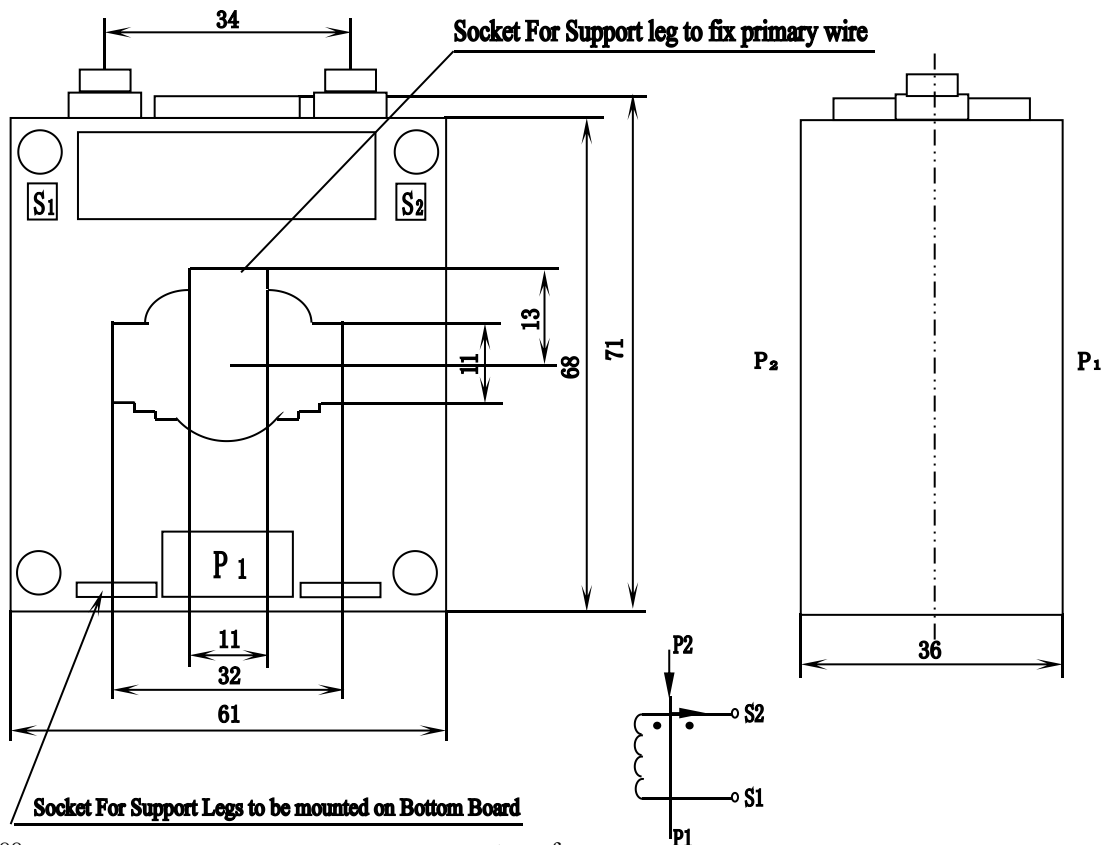
### 3. Range of Operating Frequency: $20\text{Hz} \sim 1\text{kHz}$

### 4. Insulation Thermal Class: Class A ( $105^{\circ}\text{C}$ )

### 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $4000\text{V}$   $50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with  $\text{UL94-V0}$ .

### 6. Outline Drawing, Installation Dimension and Coil Diagram:(tolerance $\pm 1\text{mm}$ )



● Notes:

Two support legs to be mounted on bottom board and one support leg with screws to fix primary wire are included in package along with every product. As to installation instruction, please see the following page.

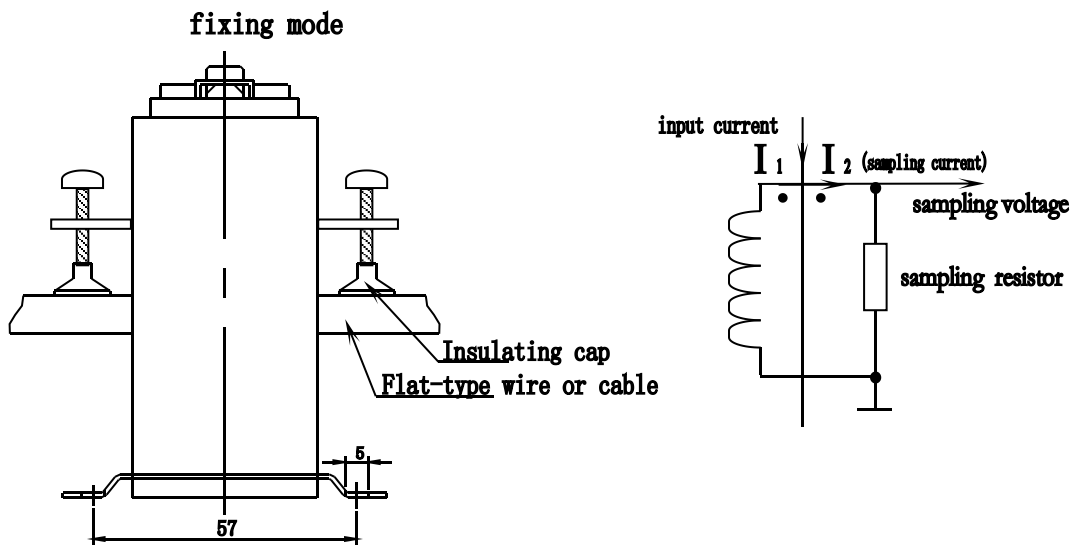
Installation instruction:

● Mounted on bottom board:

Take two support legs (included in package along with the product) and insert them into the sockets as shown in Fig. below. The center distance between the mounting holes is  $57 \times 32$ . The diameter of the mounting hole for the support leg is  $\Phi 5.0$ , and then use M5 screw to fix the current transformer on the bottom board.

● Mounted on primary wire:

Take one support leg with M5 hole (included in package along with the product) and insert it into the socket as shown in Fig. below. The center distance between the M5 hole is 57; fix the current transformer on the primary wire with M5 screw.



7. Typical Application and Parameters:

The parameters in this application as shown in the upper right Fig. are listed in table below:

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non Linearity	Linear Range	Withstand Voltage
TA4252-1	200A	0.2A	30 $\Omega$	6V	$\leq 30'$	$\leq 0.5\%$	3 times of rated value	$\geq 4KV$
TA4252-2	200A	0.1A	120 $\Omega$	12V	$\leq 30'$			

● Notes:

a. In practical applications, it is recommended to use a sampling resistor that is smaller than or equal to the rated value given in the table above, as this can help to improve the non-linearity and phase shift of the device.

b. If the required current ratio is not listed in the table above, we can provide custom-made options to meet specific needs.

8. Attention:

① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.

② Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

## TA5266 Series Box-type AC Current Transformers

LI053V1/2008-EN

### 1. Features:

- ① Flexible in installation modes: can be fixed on primary wire or bottom board.
- ② Suitable for various primary wires, such as flat-type wires, round wires, or cables.
- ③ Output terminals are standard type with screws, which is convenient for connecting wires on the spot.
- ④ Box structure, encapsulated by a plastic shell, with a sleek design.

### 2. Ambient conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ );

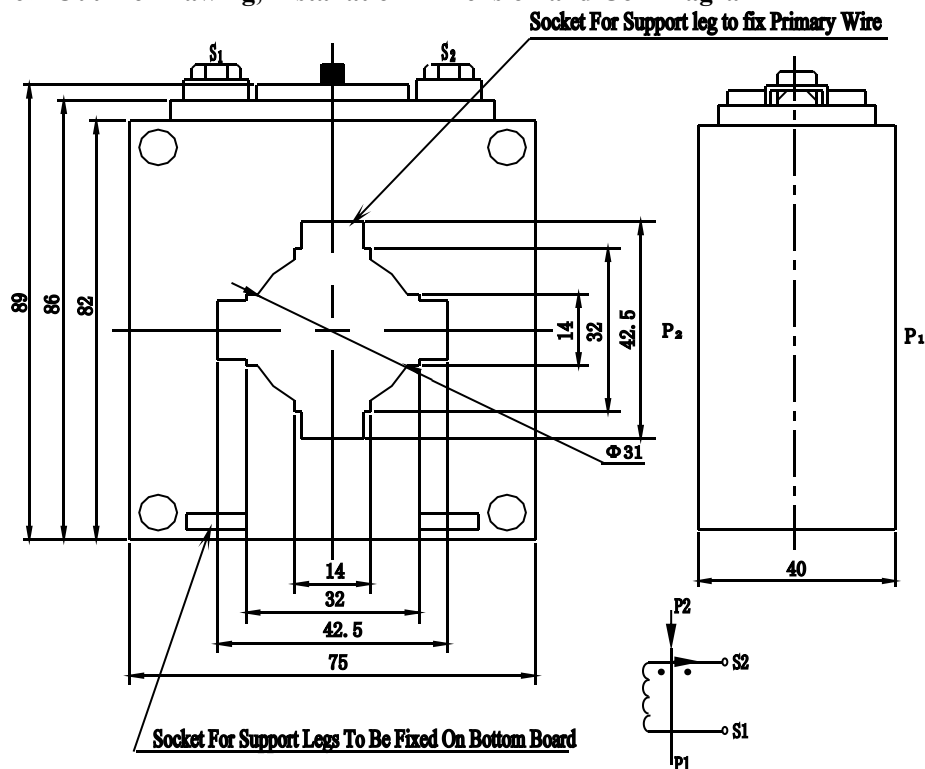
### 3. Range of Operating Frequency: $20\text{Hz}\sim 1\text{kHz}$ ;

### 4. Insulation Rating: ClassB ( $130^{\circ}\text{C}$ ).

### 5. Safety features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $4000\text{V}$   $50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with  $\text{UL94-V0}$ .

### 6. Outline Drawing, Installation Dimension and Coil Diagram





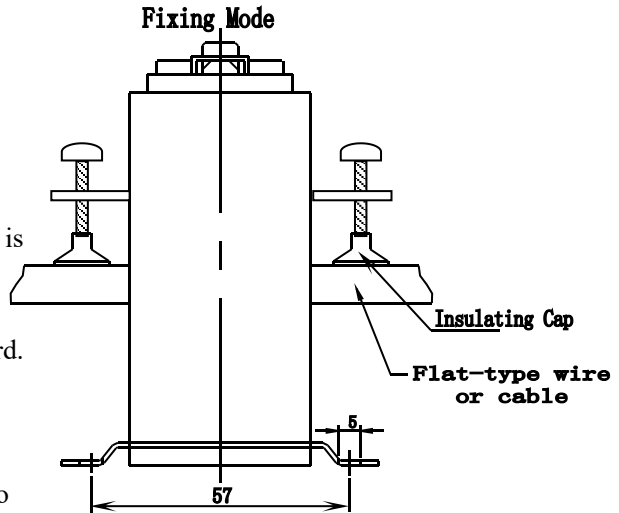
● Remark: Two support legs to be fixed on bottom board, one support leg with screws are included in package along with every product.

◇ Installation instruction:

● Mounted on bottom board:

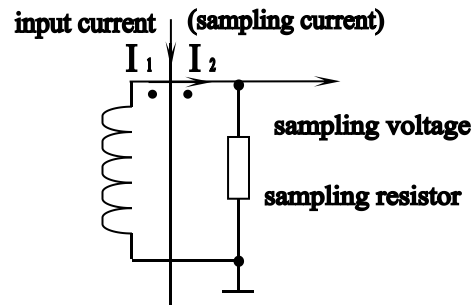
Take two support legs (included in package along with the product) and insert them into the sockets as shown in Fig. below.

The center distance between the mounting holes is  $57 \times 42.5$ ; The diameter of the mounting hole for the support leg is  $\Phi 5.0$ , and then use M5 screw to fix the current transformer on the bottom board.



● Mounted on primary wire:

Take one support leg with M5 hole (included in package along with the product) and insert it into the socket as shown in Fig. below. The center distance between the M5 hole is 57; fix the current transformer on the primary wire with M5 screw.



### 7. Typical Usage and Parameters:

The parameters in this application as shown in the upper right Fig. are listed in table below:

Model	Rated Input Current	Rated Output Current	Rated Sample Resistor $R_L$	Rated Sample Voltage	Phase Shift	Non Linearity	Linear Range	Withstand Voltage
TA5266-1	300A	0.15A	$40\Omega$	6V	$\leq 30^\circ$	$\leq 0.5\%$	3 times of rated value	$\geq 4KV$
TA5266-2	750A	0.15A	$80\Omega$	12V	$\leq 30^\circ$			

● Remarks:

- In practical applications, it is recommended to use a sampling resistor that is smaller than or equal to the rated value given in the table above, as this can help to improve the non-linearity and phase shift of the device.
- If the required current ratio is not listed in the table above, we can provide custom-made options to meet specific needs.

### 8. Attention:

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

## TA7888 Series Vertical Core Box-type AC Current Transformers

LI054V1/2008-EN

### 1. Features:

- ① Flexible in installation modes: can be fixed on primary wire or bottom board.
- ② Suitable for various primary wires, such as flat-type wires, round wires, or cables.
- ③ Output terminals are of a standard type with screws, which is convenient for connecting wires on the spot.
- ④ Box structure, encapsulated by a plastic shell, with a sleek design.

### 2. Ambient Conditions:

- ① Ambient temperature:  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860 \sim 1060\text{mbar}$  (about  $650 \sim 800\text{mmHg}$ ).

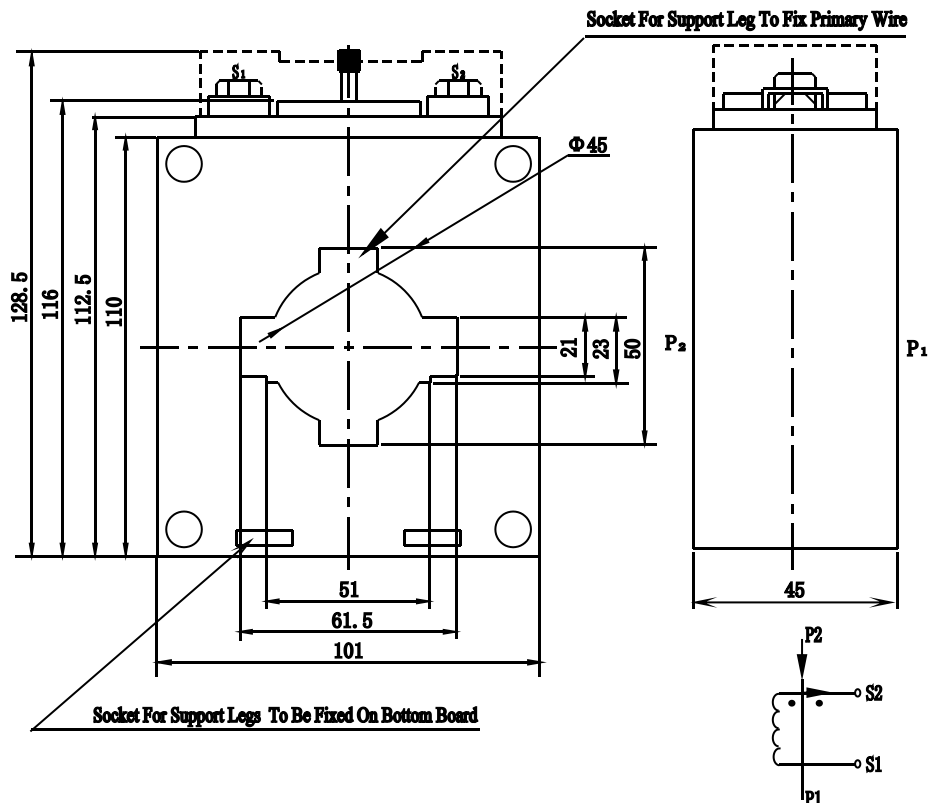
### 3. Operating Frequency Range: 20Hz~1kHz

### 4. Insulation Thermal Class: Class B( $130^{\circ}\text{C}$ )

### 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $4000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with UL94-V0.

### 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )



● Note: Two support legs to be fixed on bottom board, one support leg with screws are included in package along with every product.

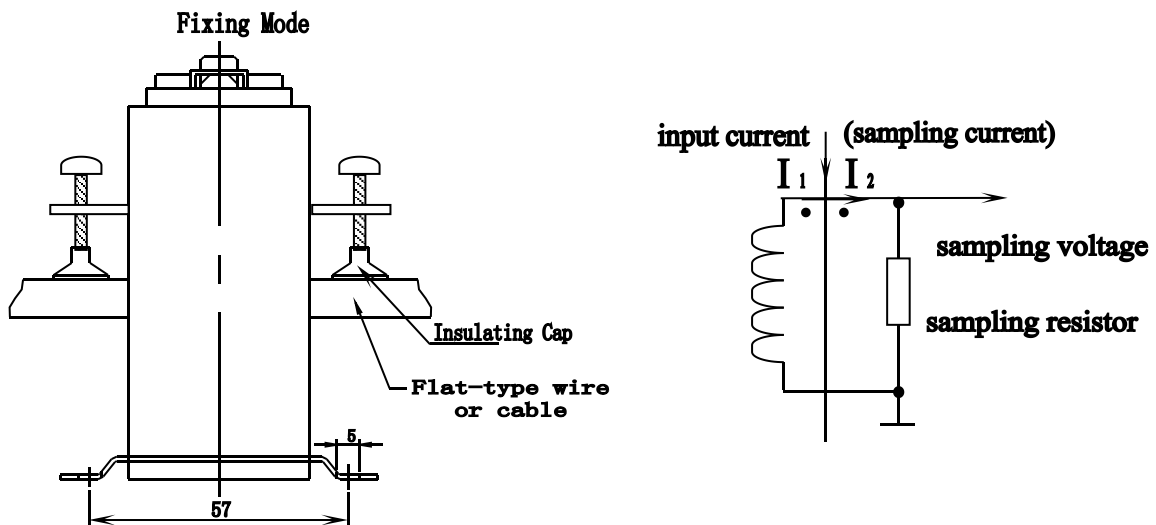
◇ Installation instruction

● Mounted on bottom board:

Take two support legs (included in package along with the product) and insert them into the sockets as shown in Fig. below. The center distance between the mounting holes is  $57 \times 51$ ; The diameter of the mounting hole for the support leg is  $\Phi 5.0$ , and then use M5 screw to fix the current transformer on the bottom board.

● Mounted on primary wire:

Take one support leg with M5 hole (included in package along with the product) and insert it into the socket as shown in Fig. below. The center distance between the M5 hole is 57; fix the current transformer on the primary wire with M5 screw.



### 7. Typical Application and Parameters:

The parameters in this application as shown in the upper right Fig. are listed in table below:

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non Linearity	Linear Range	Withstand Voltage
TA7888-1	500A	0.2A	$50 \Omega$	10V	$\leq 30'$	$\leq 0.5\%$	3 times of rated value	$\geq 4KV$
TA7888-2	1000A	0.2A	$100 \Omega$	20V	$\leq 30'$			

● Notes:

- In practical applications, it is recommended to use a sampling resistor that is smaller than or equal to the rated value given in the table above, as this can help to improve the non-linearity and phase shift of the device.
- If the required current ratio is not listed in the table above, we can provide custom-made options to meet specific needs.

### 8. Attention:

- Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.

# TAM3123 Series Vertical Core Box-type AC Current Transformer

LI105V4/2016

## 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$  (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 20Hz~1kHz

## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with UL94-V0.

## 6. Outline Drawing, Installation Dimension and Coil Diagram:

( tolerance  $\pm 1\text{mm}$  )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:

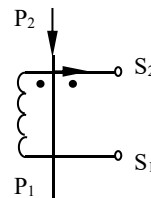


Fig 2

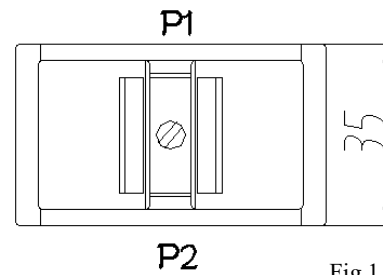
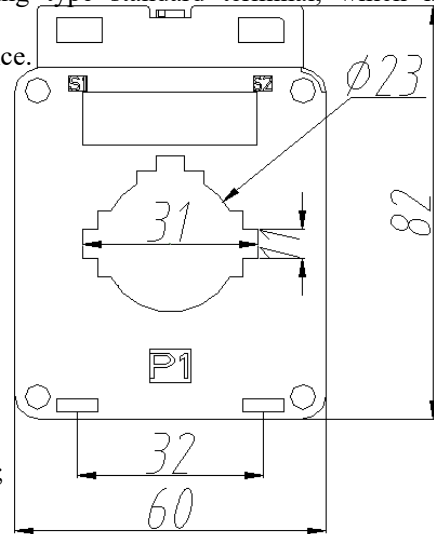


Fig 1

● Note: Each product is supplied with two bottom plate feet, one busbar foot, two screws and suction cups for fixing the busbar, and the installation instructions are as follows.

### ③ Installation Instructions:

● When fixing to the bottom plate: take two feet ( supplied with the product ) and insert them into the foot sockets on the bottom plate as shown in Figure 3. The center distance of the mounting holes is  $60 \times 32$ ; the mounting hole diameter of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws;

● When fixing on the busbar: take a foot with M5 holes ( supplied with the product ) and insert it into the busbar foot slot as shown in Figure 3. The center distance of the M5 holes is  $59$ , and the transformer can be fixed on the busbar with M5 screws .

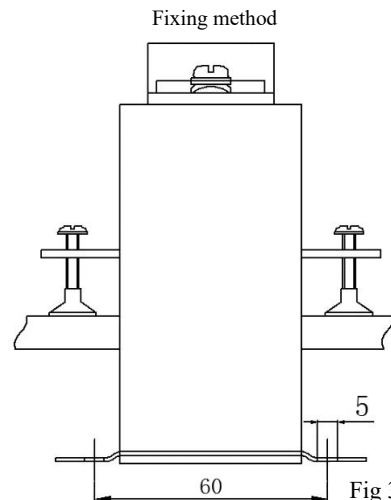


Fig 3

### 7. Typical Application and Performance Parameters:

See the table below for performance parameters when applied as shown in Figure 4.

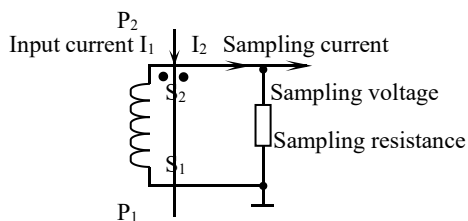


Fig 4

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance $R_L$	Rated Sampling Voltage	Phase Shift	Non-linearity	Linear Range
TAM3123-1	100A	5A	0.1Ω	0.5V	<30'	≤0.5%	2 times of rated value
TAM3123-2	150A	5A	0.15Ω	0.75V	<30'	≤0.5%	2 times of rated value
TAM3123-3	200A	5A	0.2Ω	1.0V	<30'	≤0.5%	2 times of rated value
TAM3123-4	250A	5A	0.25Ω	1.25V	<30'	≤0.5%	2 times of rated value
TAM3123-5	300A	5A	0.3Ω	1.5V	<30'	≤0.5%	2 times of rated value
TAM3123-6	400A	5A	0.4Ω	2.0V	<30'	≤0.5%	2 times of rated value
TAM3123-7	500A	5A	0.5Ω	2.5V	<30'	≤0.5%	2 times of rated value

● Notes:

- a. In practical applications, the sampling resistance should be less than or equal to the Rated value given in the above table, which will improve the nonlinearity and phase shift;
- b. If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

### 8. Attention:

- ① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- ② Do not allow the secondary of the current transformer to be open circuited and do not install any fuse on the secondary.

# TAM10162 Series Vertical Core Box-type AC Current Transformer

LI111V3/2016

## 1. Features:

- ① Vertical core, flexible installation, can be fixed on the busbar or on the bottom plate;
- ② It can be equipped with various types of busbars, such as flat busbars, round busbars or cables;
- ③ The output terminal is a screw fastened crimping type standard terminal, which is convenient for wiring at the engineering site;
- ④ Box structure, closed plastic case, beautiful appearance.

## 2. Ambient Conditions:

- ① Ambient temperature:  $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$ ;
- ② Relative humidity:  $\leq 90\%$  at  $40^{\circ}\text{C}$ ;
- ③ Atmospheric pressure:  $860\sim 1060\text{mbar}$ (about  $650\sim 800\text{mmHg}$ ).

## 3. Operating Frequency Range: 50 Hz or 60 Hz

## 4. Insulation Thermal Class: Class E ( $120^{\circ}\text{C}$ )

## 5. Safety Features:

- ① Insulation resistance:  $>1000\text{M}\Omega$  in normal condition;
- ② Insulation withstand voltages:  $3000\text{V } 50\text{Hz}/1\text{min}$ ;
- ③ Fire retardancy: In conformity with UL94-V0.

## 6. Outline Drawing, Installation Dimension and Coil Diagram: (tolerance $\pm 1\text{mm}$ )

- ① Outline drawing and installation dimensions are shown in Figure 1:
- ② The coil diagram is shown in Figure 2:

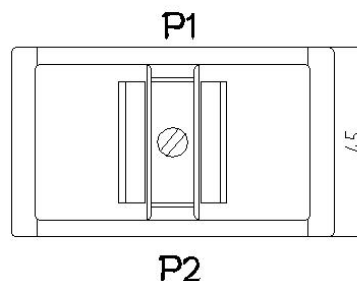
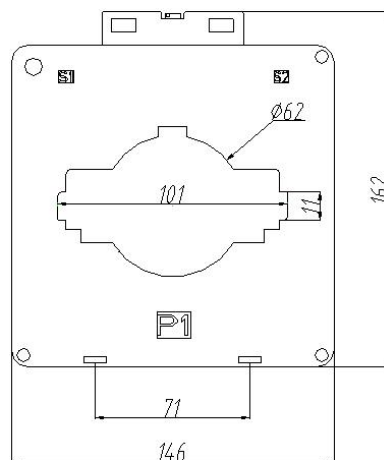


Fig 1

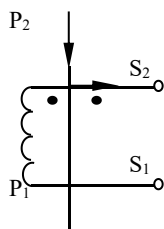


Fig 2

- Note: Each product is supplied with two bottom plate feet, one busbar foot, two screws and suction cups for fixing the busbar, and the installation instructions are as follows.

③ Installation Notes:

- When fixing to the base plate:

Take two bottom plate feet ( supplied with the product ) Insert it into the foot socket on the bottom plate of the transformer as shown in Figure 3. The center distance of the mounting holes is  $60 \times 71$ ; the mounting hole diameter of the feet is  $\Phi 5.0$ ; the transformer can be fixed on the bottom plate with M5 screws.

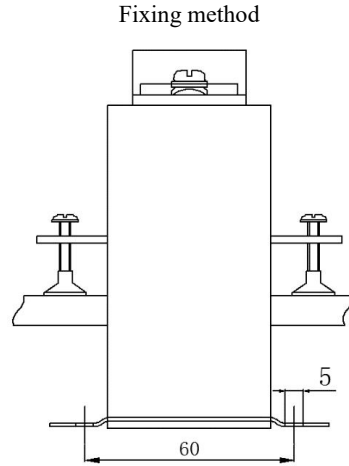


Fig 3

- When fixing to the busbar:

Take a busbar support foot with M5 holes ( supplied with the product ) and insert it into the busbar support foot slot in the middle of the transformer as shown in Figure 3. The center distance of the M5 holes is 59 , and the transformer can be fixed on the busbar with M5 screws.

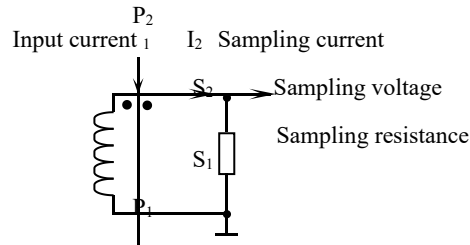


Fig 4

**7. Typical Application and Performance Parameters:**

See the table below for performance parameters when applied as shown in Figure 4:

Model	Rated Input Current	Rated Output Current	Rated Sampling Resistance RL	Rated Sampling Voltage	Non-linearity
TAM10162-1	250A	5A	0.166Ω	0.83V	≤0.5%
TAM10162-2	300A	5A	0.2Ω	1V	≤0.5%
TAM10162-3	400A	5A	0.266Ω	1.33V	≤0.5%
TAM10162-4	500A	5A	0.333Ω	1.66V	≤0.5%
TAM10162-5	600A	5A	0.4Ω	2V	≤0.5%
TAM10162-6	750A	5A	0.5Ω	2.5V	≤0.5%
TAM10162-7	800A	5A	0.533Ω	2.66V	≤0.5%
TAM10162-8	1000A	5A	0.666Ω	3.33V	≤0.5%
TAM10162-9	1200A	5A	0.8Ω	4V	≤0.5%
TAM10162-10	1250A	5A	0.833Ω	4.16V	≤0.5%
TAM10162-11	1500A	5A	1Ω	5V	≤0.5%
TAM10162-12	2000A	5A	1.33Ω	6.66V	≤0.5%
TAM10162-13	2500A	5A	1.66Ω	8.33V	≤0.5%
TAM10162-14	3000A	5A	2Ω	10V	≤0.5%

- Notes:

- In practical applications, the sampling resistance should be less than or equal to the rated value given in the above table, which will improve the nonlinearity and phase shift;
- If the conversion ratio required by the user is different from the above, it can be customized according to the user's requirements.

**8. Attention:**

- ① Connect the primary of the current transformer in series with the measured current loop, and operate the secondary in near short circuit mode.
- ② Do not allow the secondary of the current transformer to be open circuit and do not install any fuse.