

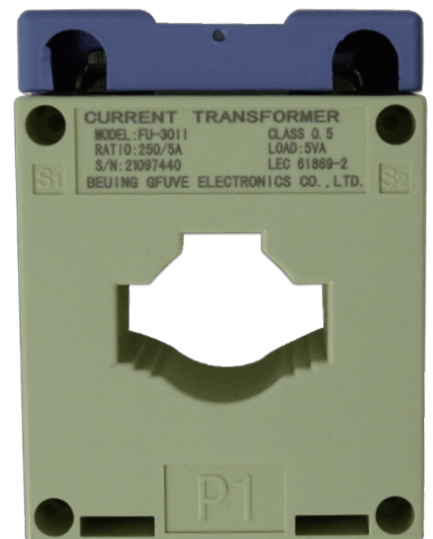
## FU-30II

### 100A-300A WINDOW TYPE LV ECONOMIC CURRENT TRANSFORMER

FU-30II economic low voltage current transformer is low cost ac ring type current transformer, measuring AC current from 15A to 300 Amps passing through the center conductor. This model has three version ( class 0.2, 0.5, 1), suite for all kinds of electrical customers application. LV current transformers are intended for supplying measuring instruments and protection circuits of electrical power devices with a maximum operating voltage of 0.72 kV and frequency of 50 Hz or 60 Hz after prior arrangement with the manufacturer of GFUVE GROUP. LV current transformers are supplied with accessories which help to install and secondary terminal cover with possibility of sealing. All of our current transformers are strictly comply IEC60044-1, IEC 61869-2, ANSI/IEEE C57.13, IEC 60185, NTC 2205, GB1208-2006, GB20840.1, GB20840.2, JIG1021.

## Features

1. Holding wire diameter:  $\Phi 22\text{mm}$ ;
2. Measurement range of 15A to 300A AC;
3. Low phase shift for power measurement;
4. Small-size, compact size, light-weight;
5. Most cost-effective;
6. Using high magnetic silicon steel, good linearity and high sensitivity;
7. Burden from 2.5VA to 5VA;
8. IEC60044-1, IEC 61869-2, ANSI/IEEE C57.13, IEC 60185 Standard;
9. Isolated plastic case recognized according to UL94-V0;
10. Current, electrical energy measurement in 50Hz/60Hz A.C. circuits;
11. Rated voltage  $\leq 0.72\text{kV}$ ;
12. Design using for more than 10years;
13. Safe and Easy installation to distribution panels;
14. Accuracy class 0.2, 0.5, 1;
15. CE, UL / EN 61010 - 1 certified;



## Applications

1. Load Center;
2. In-Factory Display In-Home Display;
3. Energy meter;
4. Energy meter current measurement;
5. Power quality meter;
6. Power Measurement Device For PLC;

- 7. Digital Fault Recorders;
- 8. Inverters for Solar & Wind Turbine Systems;
- 9. Three Phase Balance Control;
- 10. HEMS (Home Energy Management System);
- 11. Smart Grid Application Features;
- 12. BEMS (Building Energy Management System);
- 13. Various power monitoring systems;
- 14. Data Loggers to analyze Building & Machinery Performance;
- 15. Sub-Metering Accurate Measurement;



## Parameters

Technical parameters	
Standards	IEC/EN60044-1 & IEC61010-1 & IEC61869-2&ANSI C57.13
Ratio	15: 5, 100/5A, 200/5A or 300:5 , customized
Nominal input current ( Primary current )	15-300A
Overload withstand	1.2 times rated current continuously
Accuracy	0.2%, 0.5 % , 1%
System Voltage	720V(0.72kV)
Output signal	1A or 5A
Burden	2.5-5VA
Frequency range	50/60Hz
Dielectric strength	3KV 50Hz/60Hz at 1 minute
Output mode	Terminal output
Max. jaw Bus bar	30mm x 10mm
Max. jaw cable diameter	22 mm
Mechanical parameters	
Dimensions (W×D×H) (mm)	60mm x 67mm x 37mm
Weight (g)	280
Operating conditions	
Operating temperature	-25 to +55°C
Relative Humidity	0-85% non-condensing
Altitude	<3500 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

## Technical Data

Type	FU-30II			
Purpose	Measuring current transformer			Straight through turns
Rated primary current (AMP)	Accuracy class and rated load(VA)			
	0.2	0.5	1	
15	2.5*		2.5	5
20	2.5*		2.5	4
25	2.5*		2.5	3
30	2.5*		2.5	3
40	2.5*		2.5	2
50	2.5*		2.5	2
60	2.5*		2.5	2
75	2.5*		2.5	1
100	2.5*	2.5	2.5	1
150	2.5*	2.5	2.5	1
200	2.5*	5	5	1
250	2.5*	5	5	1
300	2.5*	5	5	1

\* is special order requirement