# GFLZZ0746-10GY

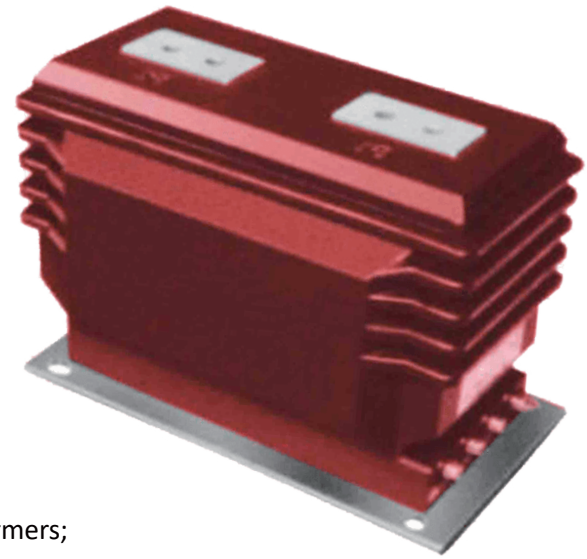
## INDOOR 11KV MEDIUM VOLTAGE WOUND TYPE CURRENT TRANSFORMER

This model GFLZZ0746-10GY indoor wound type current transformer is used in 3KV, 6KV, 10KV, 11KV and 12kV power system, for measuring and protection. It has been used in indoor pole mounted and transmission line. This product has the characteristics of high efficiency and large capacity, and can be customized according to customer requirements. This model current transformer with secondary 1A and 5A output, Primary current up to 3150A.

For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic vacuum pressure. The HCEP material offers superior arc track, ozone, and ultraviolet-resistive properties while maintaining physical strength. Primary and secondary use pure electrolytic copper, both winding and core have high voltage shielding processing. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet, humid, or polluted environments.

It can be used for less than 11KV distribution cabinet, coal mine, power plant, rail way, factories.. . The 11KV wound type current transformers are strictly in conformity with IEC60044, IEC 61869, ANSI/IEEE C57.13, NBR6855 etc.

## Features

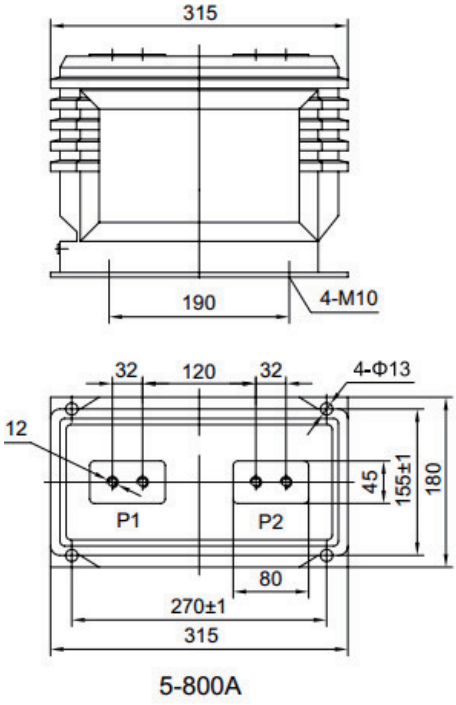


1. Weight: 28KG;
2. Using life: 30 years;
3. Material:Epoxy(HCEP) ;
4. Rated voltages up to 12 kV;
5. Secondary current output 5A or 1A;
6. Compact size & mounting flexibility;
7. 3KV 6KV 10KV 11KV 12KV indoor using;
8. Rated basic insulation levels (BIL) up to 75 kV;
9. Reasonable structure and robust construction;
10. Built-in surge protection for current transformers;
11. Standard & Special High Accuracy metering classes;
12. Accuracy class: 0.2S 0.2, 0.5S, 0.5, 1, 5P20, 5P10, 10P20;
13. High accuracy, extended range ratings for current transformers;
14. Dry-type design, environmentally Friendly & minimum maintenance;
15. Convenient installation, suitable for installation in any location;IEC60044-1, IEC 61869-2, GB/T 20840.1,2 & ANSI/IEEE C57.13 Standards;

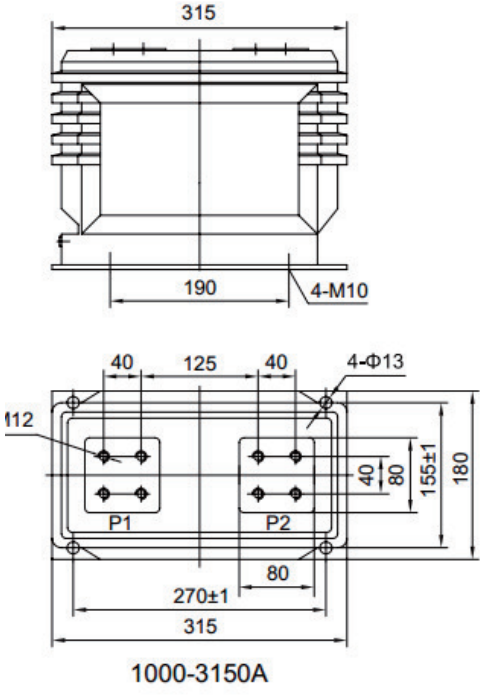
## Applications

1. Rail way;
2. Coal Mine;
3. Power plant;
4. Energy meter;
5. Power Meter;
6. Power station;
7. Oil, gas company;
8. Air switch cabinet;
9. Distribution system;
10. Ring network cabinet;
11. Electric Power Bureau;
12. Measuring instrument;
13. Primary metering cabinets;
14. MV Power Quality Analyzer;
15. Substation metering and relaying;
16. Industrial and mining enterprises;

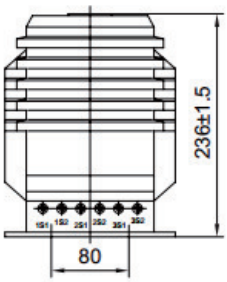
## Outline drawing

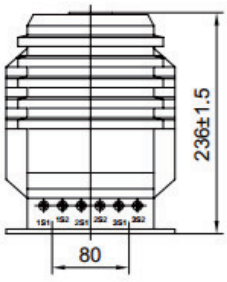



5-800A




1000-3150A



## Parameters

| Technical parameters | |
|---|---|
| Standards | IEC60044; IEC 61869; ANSI/IEEE C57.13, GB/T 20840.1,2 |
| Accuracy Class | 0.2s, 0.2, 0.5s, 0.5, 1, 10P10, 10P15, 5P20, 5P10 |
| Rated Voltage | 12KV, 11KV, 10KV, 6KV, 3KV |
| Rated primary current | 5-3150A |
| Rated load | ≤60VA |
| Rated frequency | 50Hz or 60Hz |
| Rated secondary current | 5A or 1A |
| Rated short-time thermal current | 120kA, 1S |
| Rated dynamic current | 200kA |
| Rated insulation level | 12/42/75KV |
| Using type | Indoor |
| Application | Measurement and Protection |
| Insulation class | E |
| FS | ⩽10 |
| **Mechanical parameters** | |
| Material | Epoxy resin |
| Weight (kg) | 28 |
| **Operating conditions** | |
| Operating temperature | -25°C to +55°C |
| Daily average temp | <+40°C |
| Storage temperature | -40°C to +70°C |
| Altitude | <1000 meters |
| Condition | No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current. |

## Technical Data

| Ratied Primary Current(A) | Class Combination | Accuracy class and Rated output(VA) | | | | | Short-time thermal current (kA/S) | | Rated dynamic current (kA) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.2(S) | 0.5(S) | 5P10 | 10P15 | 5P20 | | | | |
| 5 | 0.2(S)/0.5(S) 0.2(S)/10P 0.5(S)/10P | 10 | 20 | 20 | 20 | 15 | 0.5 | 1* | 1.25 | 2.5* |
| 10 | | | | | | | 1 | 2* | 2.5 | 5* |
| 15 | | | | | | | 1.5 | 3* | 3.75 | 7.5* |
| 20 | | | | | | | 2 | 4* | 5 | 10* |
| 30 | | | | | | | 3 | 6* | 7.5 | 15* |
| 40 | | | | | | | 4 | 8* | 10 | 20* |
| 50 | | | | | | | 5 | 20* | 12.5 | 50* |
| 75 | | | | | | | 7.5 | 31.5* | 18.5 | 78* |
| 100 | | | | | | | 10 | 31.5* | 25 | 78* |
| 150-200 | | | | | | | 31.5 | 45* | 80 | 112.5* |
| 300-500 | | | | | | | 45 | 63* | 112.5 | 150* |
| 600 | | | | 20/30 | | | 63 | 80* | 130 | 160* |
| 800 | | | | | | | | | | |
| 1000 | | | 30 | | | | 80 | 100* | 160 | 180* |
| 1200 | | | | | | | | | | |
| 1500 | | 30 | 40 | | 30 | 20 | 100 | 120* | 160 | 200* |
| 2000-2500 | | | 60 | 30 | | | | | | |
| 3000-3150 | | | | | | | | | | |