

## LZCG930-10

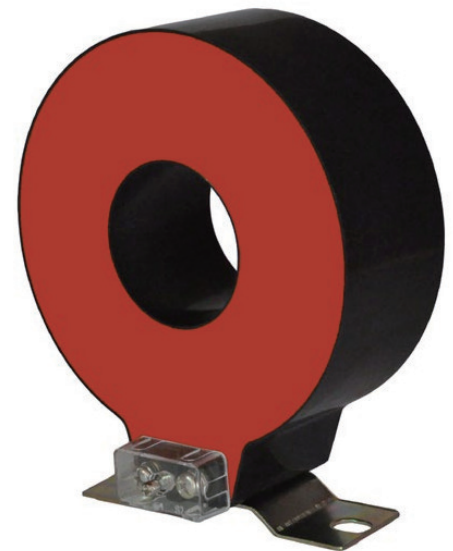
### POLYURETHANE RESIN CAST RING CORE HIGH QUALITY 0.2S CURRENT TRANSFORMER

The Model LZCG930-10 CT is a ring type resin casting current transformer. Some clients also called it as TTCC. This current transformer can be used both for measurement and microcomputer protection of electrical equipment in 11KV and 35KV AC power system, It is widely used in not only compact fully insulated ring network switchgears such as ABB-Safe Ring/Safe Plus, Unstitch, Schneider RM6, SM6, Siemens 8DJ10/8DH10, Simosec, FBX, Fluokit, Omar Garbo GA, GAE; SEL TPS(Q); VEI Unifluorc; Eaton SVS/12 ring network, but also cable distribution boxes because of its small size, light weight, operable and convenient installation. It is very convenient that the transformer can be directly installed at the inlet and outlet cables.

New magnetic material is taken to be the core of the current transformer, which has high magnetic permeability, low saturation magnetization and good stability. Therefore, the measuring accuracy is higher and the instrument security factor is lower. Since the high quality silicon processed by advanced technology is taken to be the core of the protection windings, which assured the accuracy limit factor is higher.

We used imported silicon material and using our mature advanced producing technology we make sure our transformer has very good linear and more than 20 years using life in order to be qualified with all the jobs. The ring core and secondary windings are vacuum poured by high quality polyurethane insulated resin ,which has the characteristic of moisture proof, stable performance and dispensing with maintenance.

All of our GFUVE current transformers are strictly comply IEC60044-1, IEC 61869-2, ANSI/IEEE C57.13, GB1208-2006, GB/T 20840.1-2010, GB/T20840.2-2014, GB/T 22071.1-2018, IEC/EN61010-2-032, IEC/EN 61010-2-031.



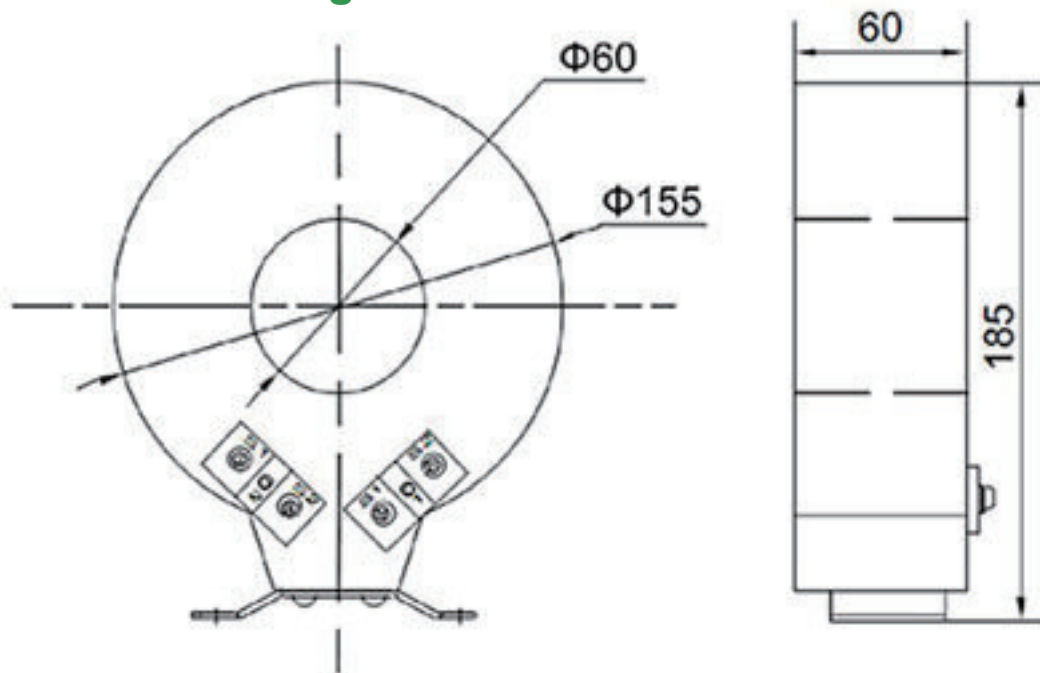
## Features

1. Meter tester;
2. Power Meter;
3. Energy meter;
4. MV switchgears;
5. Air switch cabinet;
6. Distribution boxes;
7. Power Quality meter;
8. Measuring instrument;
9. Ring network cabinet;
10. Current load monitoring;
11. Low voltage metering system;
12. Medium voltage metering system;
13. Distribution Power transformer monitor system;

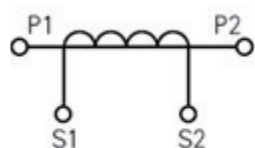
## Features

1. High precision 0.2s, 0.2%, 0.5s, 0.5%;
2. Protection class 5P20, 5P10, 10P15, 10P10, 10P5;
3. Measurement range 0-1000A AC;
4. Holding wire diameter:  $\phi 60\text{mm}$ ;
5. Size:  $\phi 60 \times \phi 155 \times 60$ ;
6. Secondary windings are vacuum poured by insulated resin;
7. As a measurement and protection current transformer;
8. High magnetic conductivity silicon steel material;
9. Using life more than 30 years;
10. Easily installation, with mounting bracket ;
11. Support Dual Ratio;
12. Polyurethane resin casting;
13. The protection level CT can accept customized design;
14. 100/5A, 200/5A, 300/5A, 400/5A, 500/5A, 600/5A, 750/5A, 800/5A, 1000/5A;
15. 100/1A, 200/1A, 300/1A, 400/1A, 500/1A, 600/1A, 750/1A, 800/1A, 1000/1A;
16. IEC60044-1, IEC/EN 61869-2, , NTC 2205, GB/T 20840.2-2014, ANSI/IEEE C57.13;

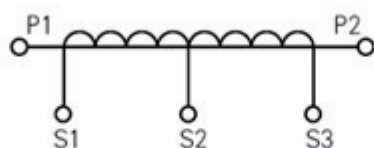
## Outline Drawing



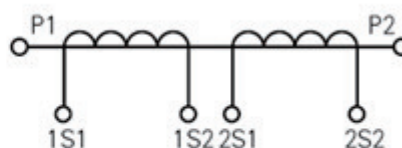
### Parameters



Single winding



Secondary winding with tap



Double winding

P1, P2 is primary polarity terminal, S1, S2 is secondary polarity terminal.

P2, S2 is homonymous terminals (subtractive polarity).

### Parameters

| Technical parameters                      |   |
|---|---|
| Standards                                 | IEC60044-1; IEC 61869-2; NTC 2205; ANSI/IEEE C57.13; GB1208-2006; GB/T 20840.1-2010, GB/T 20840.2-2014, GB/T 22071.1-2018 |
| Accuracy Class                            | 0.2S, 0.2, 0.5S, 0.5, 1 (IEC61869-2 standard)<br>5P20, 5P10, 10P10, 10P15, 10P5   |
| Rated primary current                     | 30-1000A  |
| Rated load                                | ≤30VA   |
| Rated frequency                           | 50Hz or 60Hz  |
| Rated secondary current                   | 5A or 1A  |
| Ratio                                     | 100/5A, 150/5A, 200/5A, 300/5A, 400/5A, 500/5A...1000/5A  |
| Rated short-time thermal current          | 40kA, 1S  |
| Rated continuous thermal current          | 120%I <sub>n</sub>  |
| Secondary winding power-frequency voltage | 3kV, 1min   |
| Instrument security factor                | FS ≤10  |
| Insulation Class                          | E   |
| Material                                  | polyurethane +Silicon steel sheets+Enameled wire+ABS  |
| Mechanical parameters                     |   |
| Dimensions (W×D×H) (mm)                   | φ60×φ155×60 or customized   |
| Jaw cable diameter(mm)                    | 60  |
| Weight (kg)                               | 3.6   |

### Operating conditions

|                       |   |
|-----------------------|---|
| Operating temperature | -40°C to +70°C  |
| Daily average temp    | <+40°C  |
| Storage temperature   | -40°C to +70°C  |
| Environment           | indoors   |
| 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                        | LZCG930-10                        |      |       |       |
|-----------------------------|-----------------------------------|------|-------|-------|
| Purpose                     | Measuring current transformer     |      |       |       |
| Rated primary current (AMP) | Accuracy class and rated load(VA) |      |       |       |
|                             | 0.2S                              | 0.2  | 0.5S  | 0.5   |
| 50                          | 2.5                               | 2.5  | 5     | 5     |
| 100                         | 2.5                               | 5    | 7.5   | 7.5   |
| 150                         | 5                                 | 7.5  | 10    | 10    |
| 200                         | 7.5                               | 10   | 15    | 15    |
| 300                         | 10                                | 15   | 15    | 15    |
| 400                         | 15                                | 15   | 15    | 15    |
| 500                         | 20                                | 20   | 20    | 20    |
| 600                         | 20                                | 20   | 20    | 20    |
| 750                         | 20                                | 20   | 20    | 20    |
| 800                         | 20                                | 20   | 20    | 20    |
| 1000                        | 20                                | 20   | 20    | 20    |
| Purpose                     | Protection current transformer    |      |       |       |
| Rated primary current (AMP) | Accuracy class and rated load(VA) |      |       |       |
|                             | 5P20                              | 5P10 | 10P15 | 10P10 |
| 30                          | 1                                 | 1    | 1     | 1     |
| 40                          | 1                                 | 1    | 1     | 1     |
| 50                          | 2                                 | 2    | 2     | 2     |
| 75                          | 2                                 | 2    | 2     | 2     |
| 100                         | 2.5                               | 2.5  | 2.5   | 2.5   |
| 150                         | 2.5                               | 2.5  | 2.5   | 2.5   |
| 200                         | 5                                 | 5    | 5     | 5     |
| 300                         | 5                                 | 5    | 5     | 5     |
| 400                         | 7.5                               | 7.5  | 7.5   | 7.5   |
| 500                         | 7.5                               | 10   | 10    | 10    |
| 600                         | 7.5                               | 10   | 15    | 15    |

| Type                        | LZCG930-10                                  |      |       |       |
|-----------------------------|---|------|-------|-------|
| Purpose                     | Double winding current transformer          |      |       |       |
| Rated primary current (AMP) | Composite accuracy class and rated load(VA) |      |       |       |
|                             | 0.2S  | 0.5  | 10P15 | 10P10 |
| 100                         | 2.5   | 2.5  | 1     | 1     |
| 150                         | 2.5   | 3.75 | 2     | 2.5   |
| 200                         | 5   | 7.5  | 2.5   | 3.75  |
| 300                         | 7.5   | 10   | 2.5   | 5     |
| 400                         | 10  | 12.5 | 3.75  | 5     |
| 500                         | 15  | 15   | 3.75  | 5     |
| 600                         | 15  | 20   | 3.75  | 7.5   |

## Selection Guide

| Model       | Primary rated current | Rated load | Aperture (mm)    | Description (mm)  | Weight (kg) |
|-------------|-----------------------|------------|------------------|-------------------|-------------|
| LZCK310-10  | 300-1000A             | ≤10VA      | φ50              | φ50 x φ110 x 32   | 1           |
| LZCK322-10  | 30-1000A              | ≤10VA      | φ50              | φ50 x φ110 x 52   | 1.6         |
| LZCK350-10  | 30-1000A              | ≤25VA      | φ50              | φ50 x φ110 x 105  | 3.1         |
| LZCK720-10  | 30-1000A              | ≤25VA      | φ80              | φ80 x φ110 x 50   | 2.1         |
| LZCK2500-10 | 30-3000A              | ≤30VA      | φ120 , 140 , 160 | φ120 x φ185 x 100 | 7           |
| LZCG530-10  | 30-1000A              | ≤20VA      | φ45              | φ45 x φ120 x 65   | 2.1         |
| LZCG930-10  | 30-1500A              | ≤25VA      | φ60              | φ60 x φ155 x 60   | 3.6         |
| LZCT722-10  | 30-1500A              | ≤10VA      | φ82              | φ82 x φ130 x 55   | 2.3         |
| LZCG2500-10 | 30-3000A              | ≤30VA      | φ120 , 140 , 160 | φ120 x φ185 x 100 | 7           |

## Ordering Information

Be sure to the type, current ratio, accuracy class, rated load and use of the products when you plan to make a order. Special specifications could be customized. All kinds of different specifications and parameters current transformers can be made according to your needs.