

## 技术参数 Technical data

本型互感器分为单变化和双变化；双变化在一次进行换接，以满足电网不同容量的需求。

- 额定绝缘水平：12/42/75kV；  
Rated insulation level: 12/42/75kV;
- 表面爬电距离：满足 II 级污秽等级；  
Facial creep distance: complying with pollution class II；
- 额定一次电流：单变比型一次电流为20–600A、双变比一次电流 $2 \times 5 - 2 \times 300A$ ；  
Rated primary current: single variable ratio is 20–600A, dual variable ratio is  $2 \times 5 - 2 \times 300A$ ；  
额定二次电流：5A、1A；  
Rated secondary current: 5A、1A；
- 负荷功率因数： $\cos \phi = 0.8$ （滞后）；  
Load power factor:  $\cos \phi = 0.8$  (Lag)；
- 产品标准：GB1208–2006《电流互感器》；  
Product standard: GB1208–2006《Current Transformer》；
- 仪表保安系数 $FS \leq 10$ ；  
Meter security factor  $F_s \leq 10$ ；
- 环境温度：最低温度 $-30^{\circ}\text{C}$ ，最高温度 $40^{\circ}\text{C}$ 。  
Ambient temperature:  $-30^{\circ}\text{C} - 40^{\circ}\text{C}$ 。



额定一次电流 Rated primary current (A)	准确级组合 Precision Class combination	额定二次输出 Rated secondary output (VA)			热稳定电流 Heat stability current (kA)	动稳定电流 Action stability current (kA)	备注 Remark
		0.2	0.5	10P10			
20	0.2/0.2 0.2/0.5 0.2/10P10 0.5/10P10 10P10/10P10 0.2/0.5/10P10	10	10	15	1.8	3.0	单变比或双变比，其中双 变比二次绕组可以双绕组 或三绕组 Single variable ratio or dual variable ratio, two or three windings are available for seco- ndary winding of dual variable ratio
30					2.7	4.5	
40					3.6	6.0	
50					4.5	7.5	
75					6.75	11.25	
100					9	15	
150					13.5	22.5	
200					18	30	
300	0.2/0.5 0.2/0.2 0.2/10P10 0.5/10P10				27	45	单变比 Single variable ratio
400					30	50	
500					40	75	
600					40	75	

## 概述 Description

本型电流互感器为干式支柱式结构，供额定电压10kV以下，额定频率为50Hz的线路中作测量电流、电能及保护使用。本型互感器是在LB油浸互感器基础上改进的新产品，可代替LB型油浸式互感器。本型互感器器身采用环氧树脂为浇注，可提高动热稳定，可免去油污与火灾，减轻维护工作适应无油化要求，适用于农村户外变电站，也可用于工业企业小型变配电所，特别是无人值守变电站。

This current transformer is dry type support type structure, applied for measurement of current or power energy and protection in the circuit of rated voltage 10kV or below with rated frequency 50Hz. This new type product is modified on the basic of LB oil-immersed transformer, and it could replace the LB type. It adopts epoxy resin for casting, which can enhance the heat stability, avoid oil pollution and fire accident, and reduce maintenance, meeting the non-oil requirement, it is suitable for rural outdoor transformer substation and also for small transformer substation of industrial enterprise, especially for unmanned watch transformer substation.

## 结构特点 Characteristic of structure

本型互感器由浇注体及金属外壳装配组成；浇注体为环氧树脂浇注，其铁芯采用优质冷轧硅钢片叠装制成，一、二次线圈经环氧树脂浇注成型，一、二次引线经瓷套引出，浇注体外部套有金属外壳，以适应在户外环境下运行，从而实现电网无油化的要求，这是本型互感器的最大特点。

This current transformer is composed with casting body and metal frame; the body is cast by epoxy resin, and the iron core is filled up by high quality cold rolled silicon steel sheet, the primary and secondary winding is cast by epoxy resin, and there outgoing lines are introduced by porcelain bushing, the outside body is covered by metal frame, which is suitable for outdoor operation, realizing non-oil requirement of power net, and this is the biggest character of this product.

## 外形及安装尺寸 Overall dimension drawing

